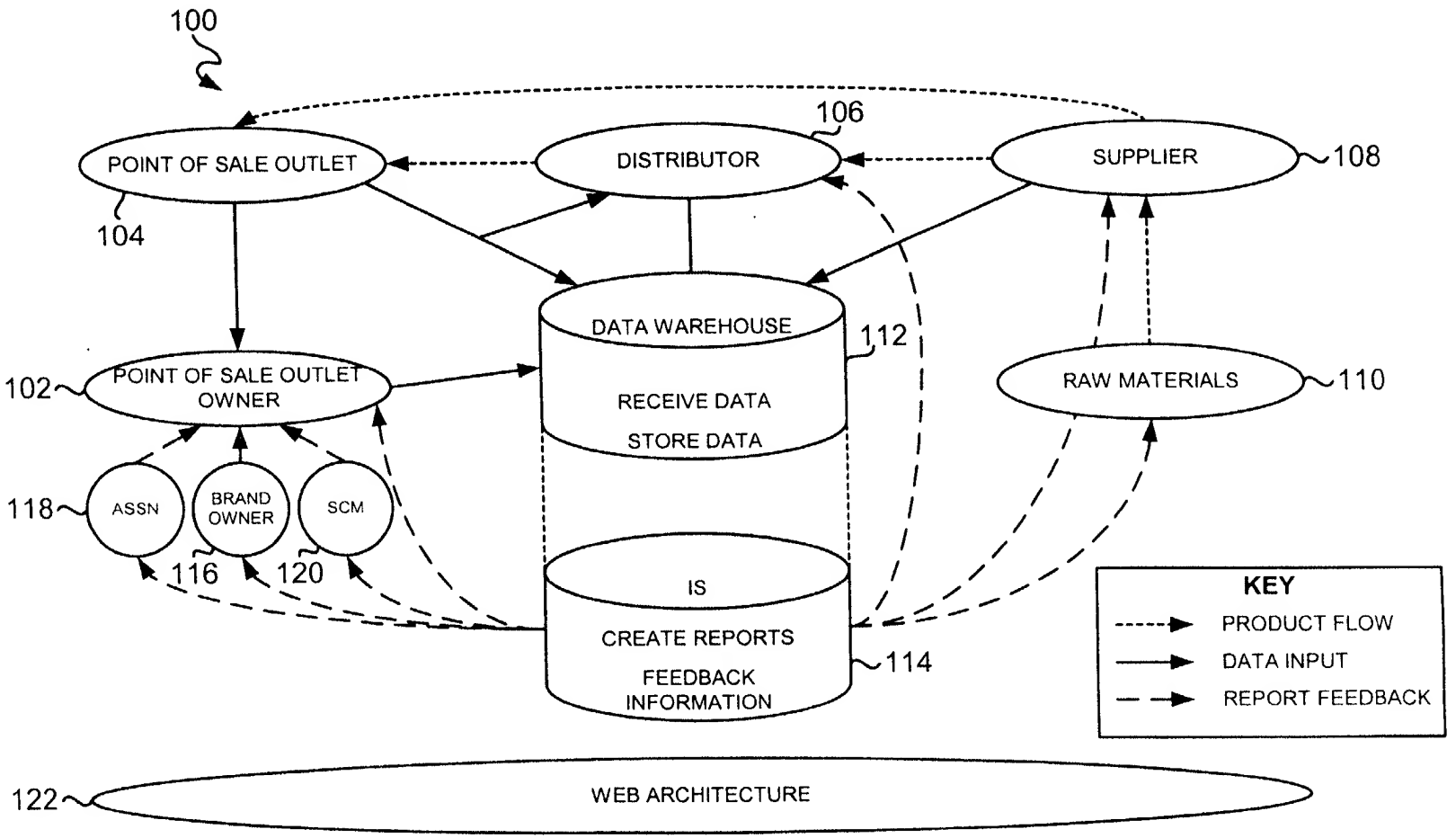

100
106
POINT OF SALE OUTLET
DISTRIBUTOR
SUPPLIER
108
104
DATA WAREHOUSE
112
102
POINT OF SALE OUTLET OWNER
RECEIVE DATA
STORE DATA
RAW MATERIALS
110
118
ASSN
BRAND OWNER
SCM
116
120
IS
CREATE REPORTS
FEEDBACK INFORMATION
114
KEY
PRODUCT FLOW
DATA INPUT
REPORT FEEDBACK
122
WEB ARCHITECTURE

FIG. 1A

TOSCO 20591960

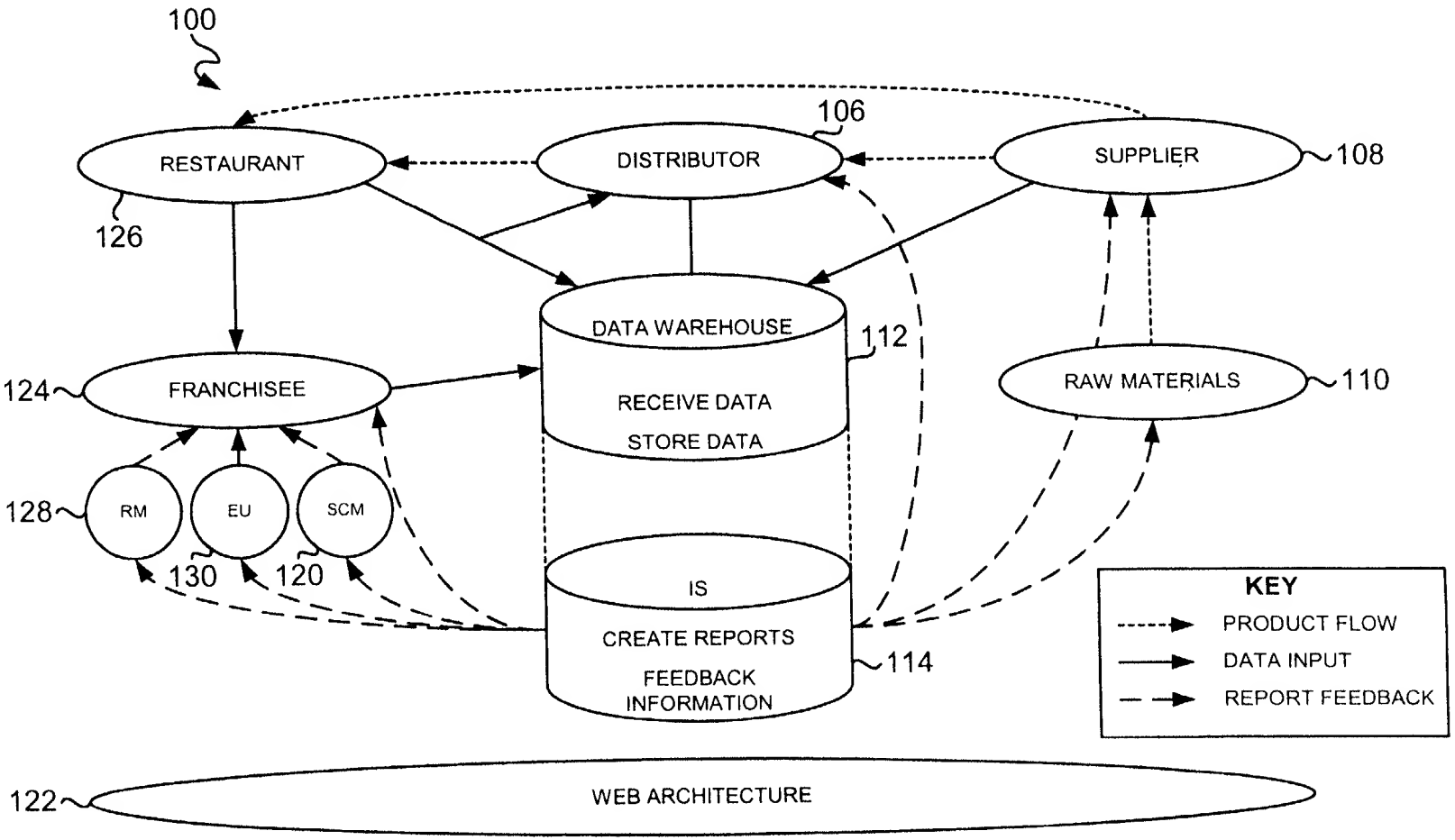


FIG. 1B

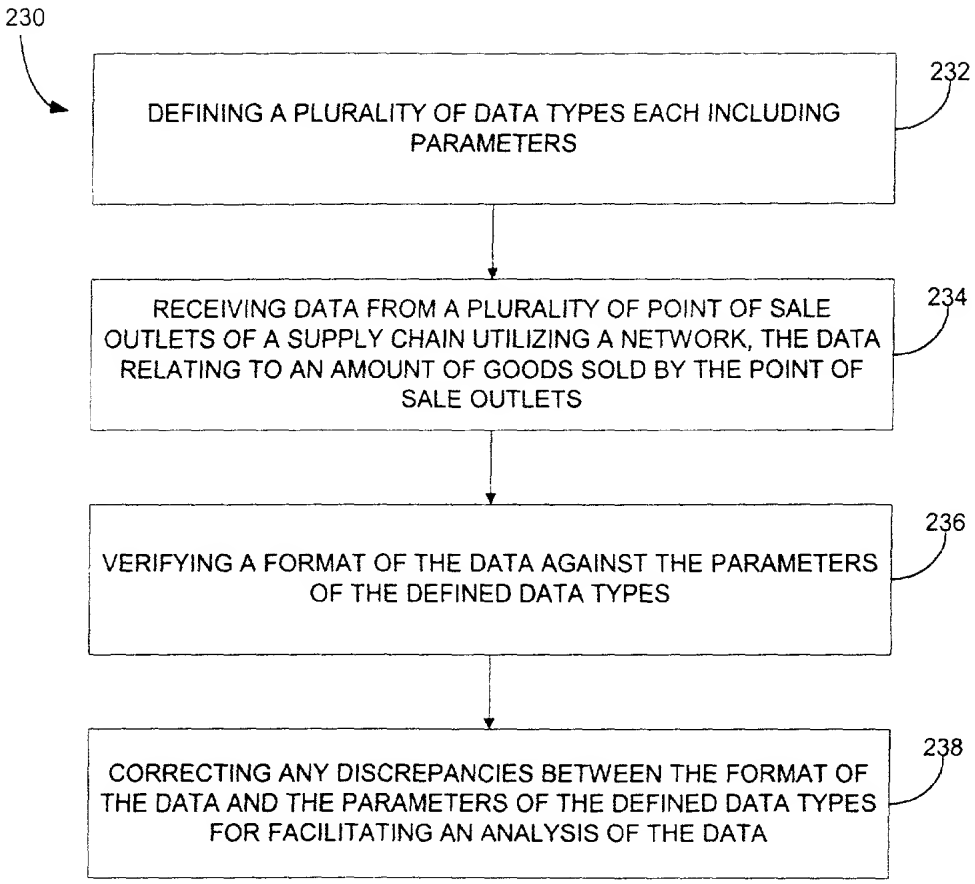

230
DEFINING A PLURALITY OF DATA TYPES EACH INCLUDING PARAMETERS
232
RECEIVING DATA FROM A PLURALITY OF POINT OF SALE OUTLETS OF A SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO AN AMOUNT OF GOODS SOLD BY THE POINT OF SALE OUTLETS
234
VERIFYING A FORMAT OF THE DATA AGAINST THE PARAMETERS OF THE DEFINED DATA TYPES
236
CORRECTING ANY DISCREPANCIES BETWEEN THE FORMAT OF THE DATA AND THE PARAMETERS OF THE DEFINED DATA TYPES FOR FACILITATING AN ANALYSIS OF THE DATA
238

FIG. 2

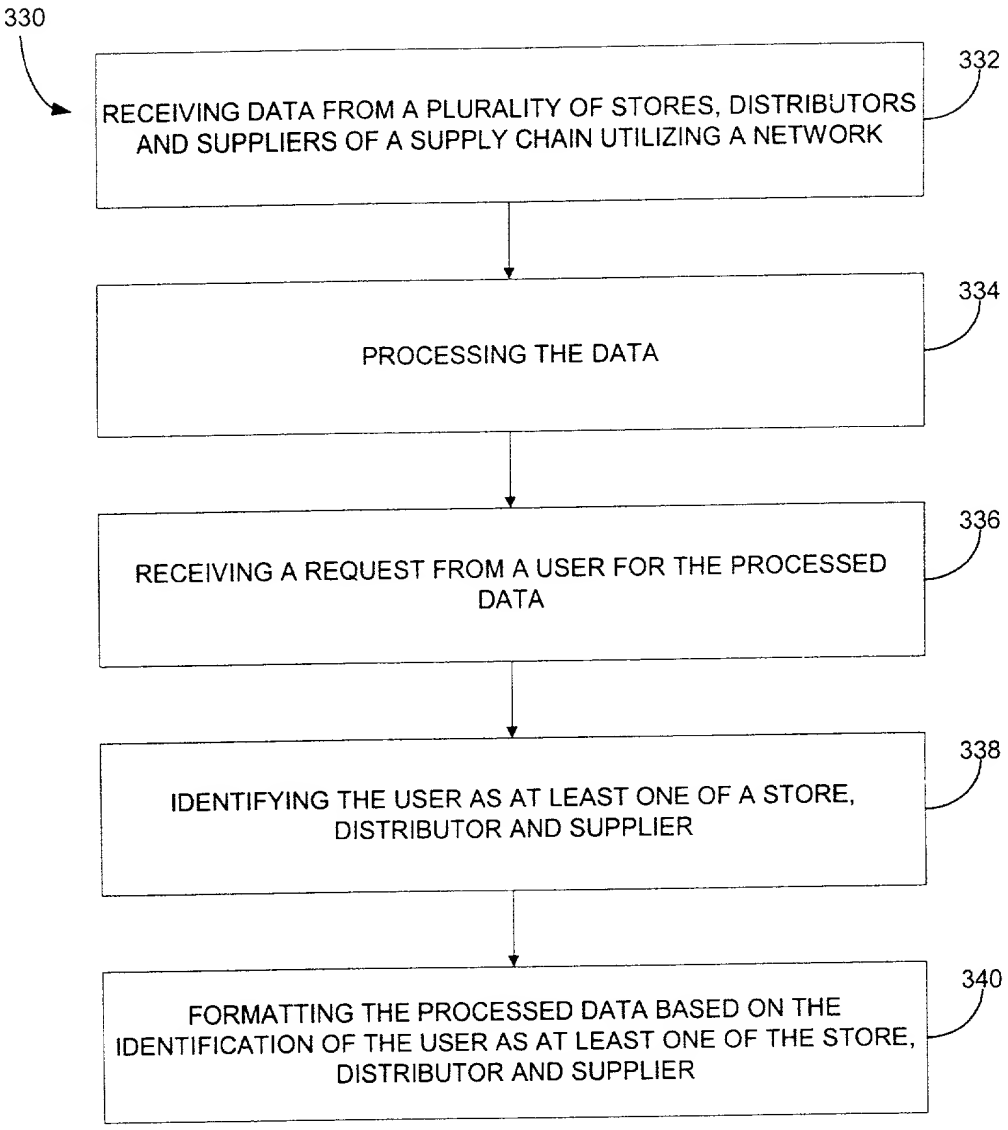

330
RECEIVING DATA FROM A PLURALITY OF STORES, DISTRIBUTORS AND SUPPLIERS OF A SUPPLY CHAIN UTILIZING A NETWORK
332
PROCESSING THE DATA
334
RECEIVING A REQUEST FROM A USER FOR THE PROCESSED DATA
336
IDENTIFYING THE USER AS AT LEAST ONE OF A STORE, DISTRIBUTOR AND SUPPLIER
338
FORMATTING THE PROCESSED DATA BASED ON THE IDENTIFICATION OF THE USER AS AT LEAST ONE OF THE STORE, DISTRIBUTOR AND SUPPLIER
340

FIG. 3

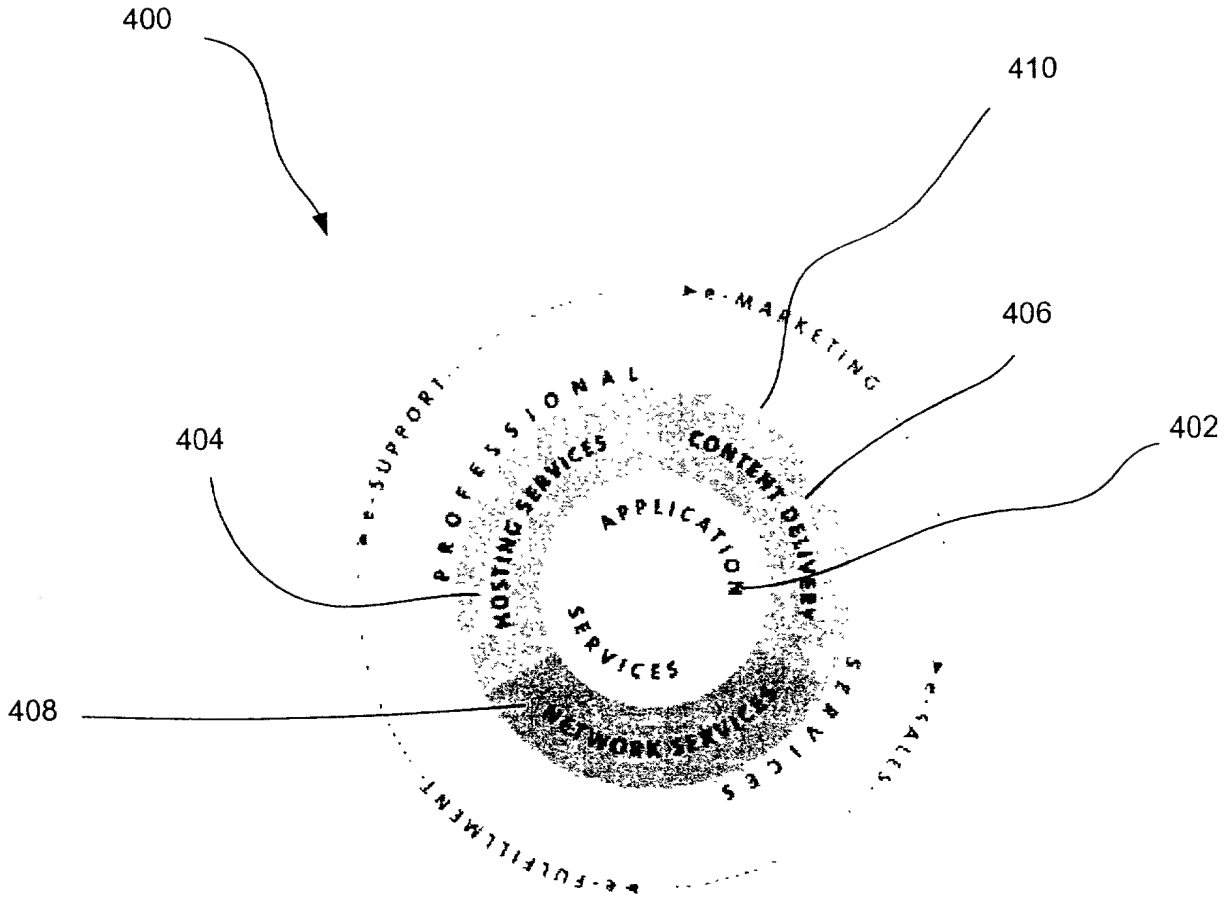

400
410
406
404
402
408
e-MARKETING
e-SUPPORT
PROFESSIONAL SERVICES
CONTENT DELIVERY
APPLICATION SERVICES
HOSTING SERVICES
NETWORK SERVICES
e-SALES
e-FULFILLMENT

Fig. 4

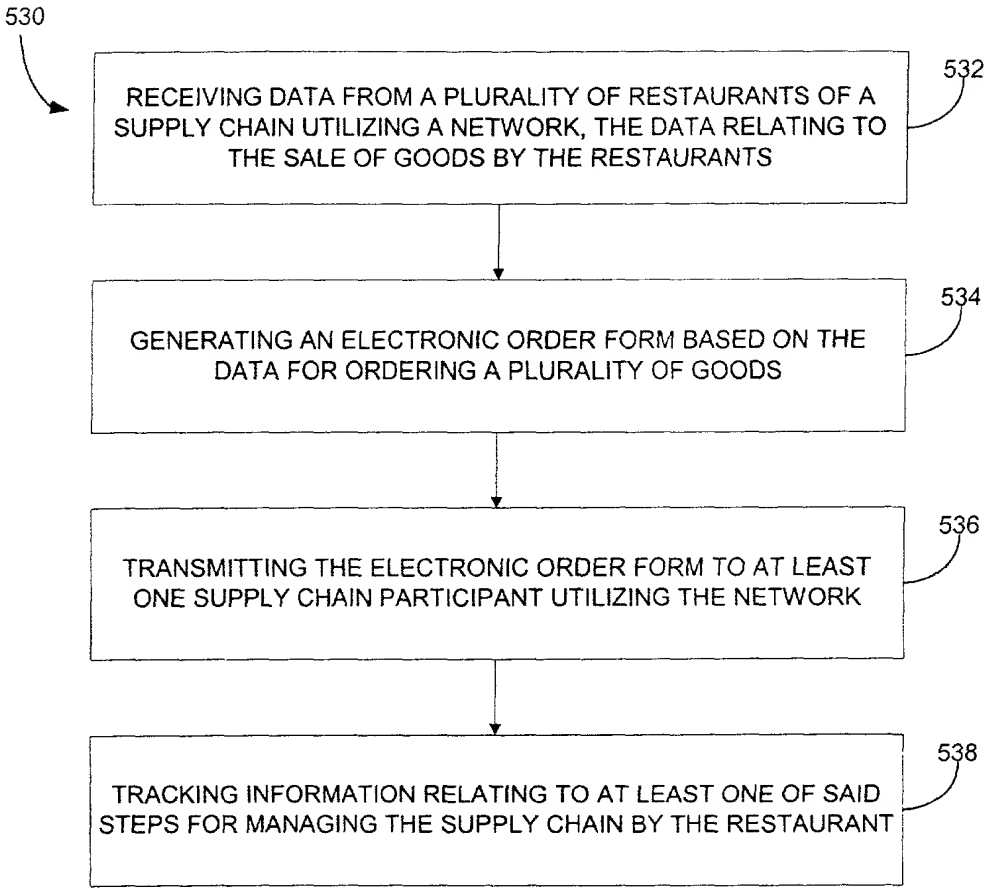

530
RECEIVING DATA FROM A PLURALITY OF RESTAURANTS OF A SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF GOODS BY THE RESTAURANTS
532
GENERATING AN ELECTRONIC ORDER FORM BASED ON THE DATA FOR ORDERING A PLURALITY OF GOODS
534
TRANSMITTING THE ELECTRONIC ORDER FORM TO AT LEAST ONE SUPPLY CHAIN PARTICIPANT UTILIZING THE NETWORK
536
TRACKING INFORMATION RELATING TO AT LEAST ONE OF SAID STEPS FOR MANAGING THE SUPPLY CHAIN BY THE RESTAURANT
538

FIG. 5

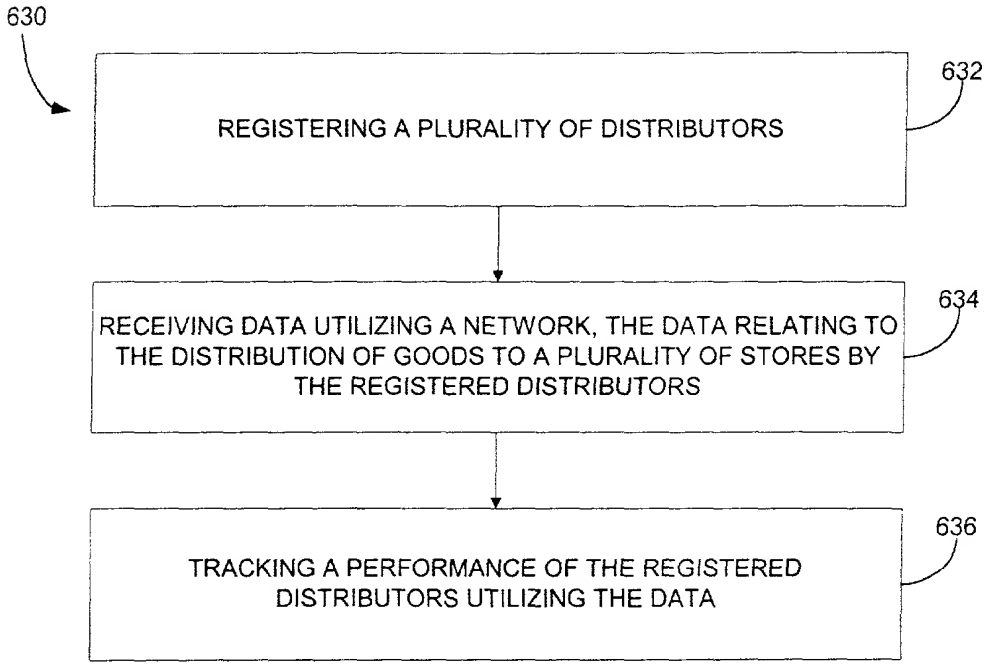

630
REGISTERING A PLURALITY OF DISTRIBUTORS
632
RECEIVING DATA UTILIZING A NETWORK, THE DATA RELATING TO THE DISTRIBUTION OF GOODS TO A PLURALITY OF STORES BY THE REGISTERED DISTRIBUTORS
634
TRACKING A PERFORMANCE OF THE REGISTERED DISTRIBUTORS UTILIZING THE DATA
636

FIG. 6

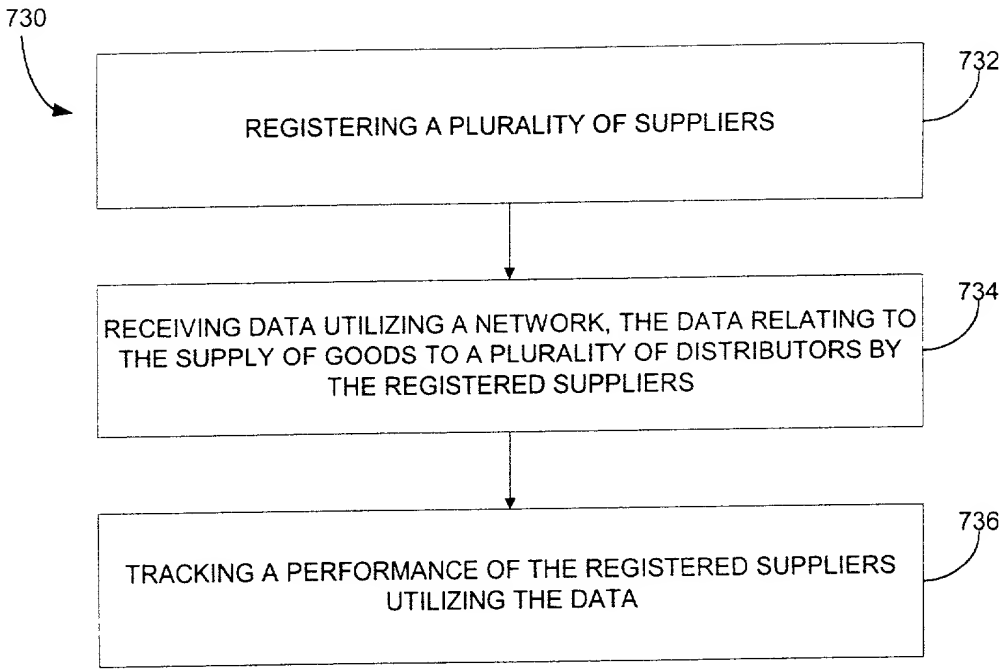

730
REGISTERING A PLURALITY OF SUPPLIERS
732
RECEIVING DATA UTILIZING A NETWORK, THE DATA RELATING TO THE SUPPLY OF GOODS TO A PLURALITY OF DISTRIBUTORS BY THE REGISTERED SUPPLIERS
734
TRACKING A PERFORMANCE OF THE REGISTERED SUPPLIERS UTILIZING THE DATA
736

FIG. 7

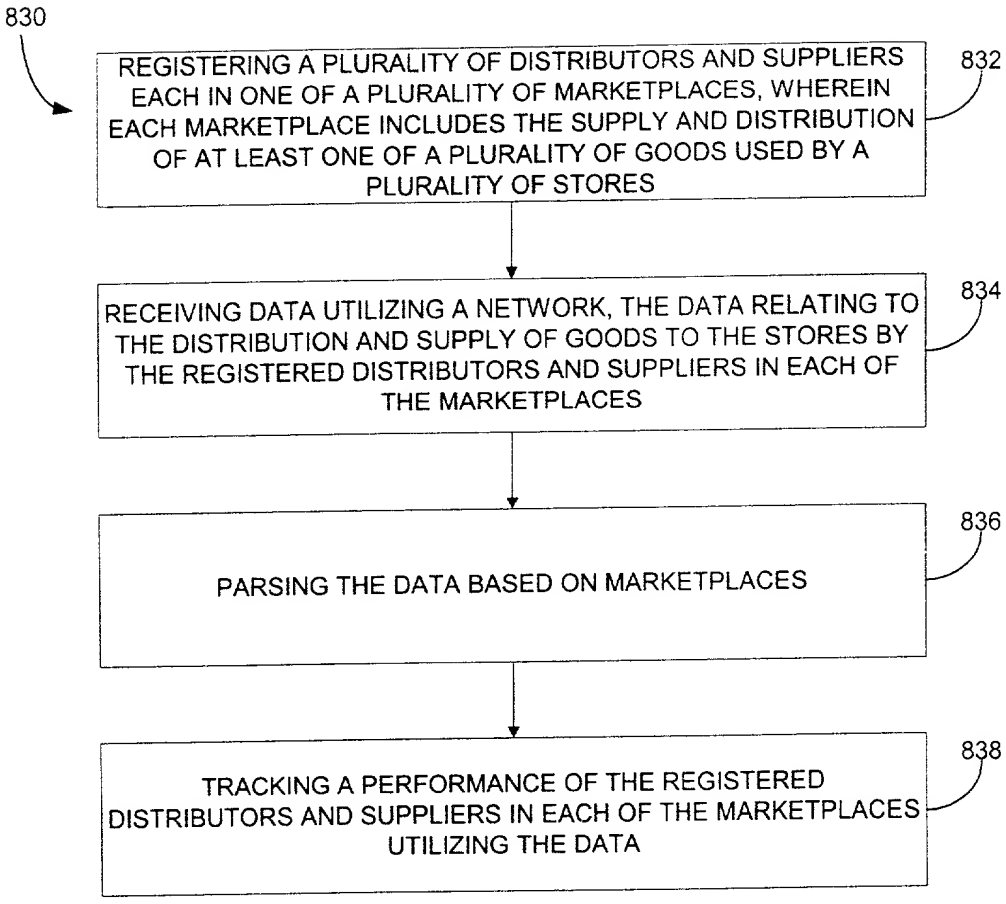

830
REGISTERING A PLURALITY OF DISTRIBUTORS AND SUPPLIERS EACH IN ONE OF A PLURALITY OF MARKETPLACES, WHEREIN EACH MARKETPLACE INCLUDES THE SUPPLY AND DISTRIBUTION OF AT LEAST ONE OF A PLURALITY OF GOODS USED BY A PLURALITY OF STORES
832
RECEIVING DATA UTILIZING A NETWORK, THE DATA RELATING TO THE DISTRIBUTION AND SUPPLY OF GOODS TO THE STORES BY THE REGISTERED DISTRIBUTORS AND SUPPLIERS IN EACH OF THE MARKETPLACES
834
PARSING THE DATA BASED ON MARKETPLACES
836
TRACKING A PERFORMANCE OF THE REGISTERED DISTRIBUTORS AND SUPPLIERS IN EACH OF THE MARKETPLACES UTILIZING THE DATA
838

FIG. 8

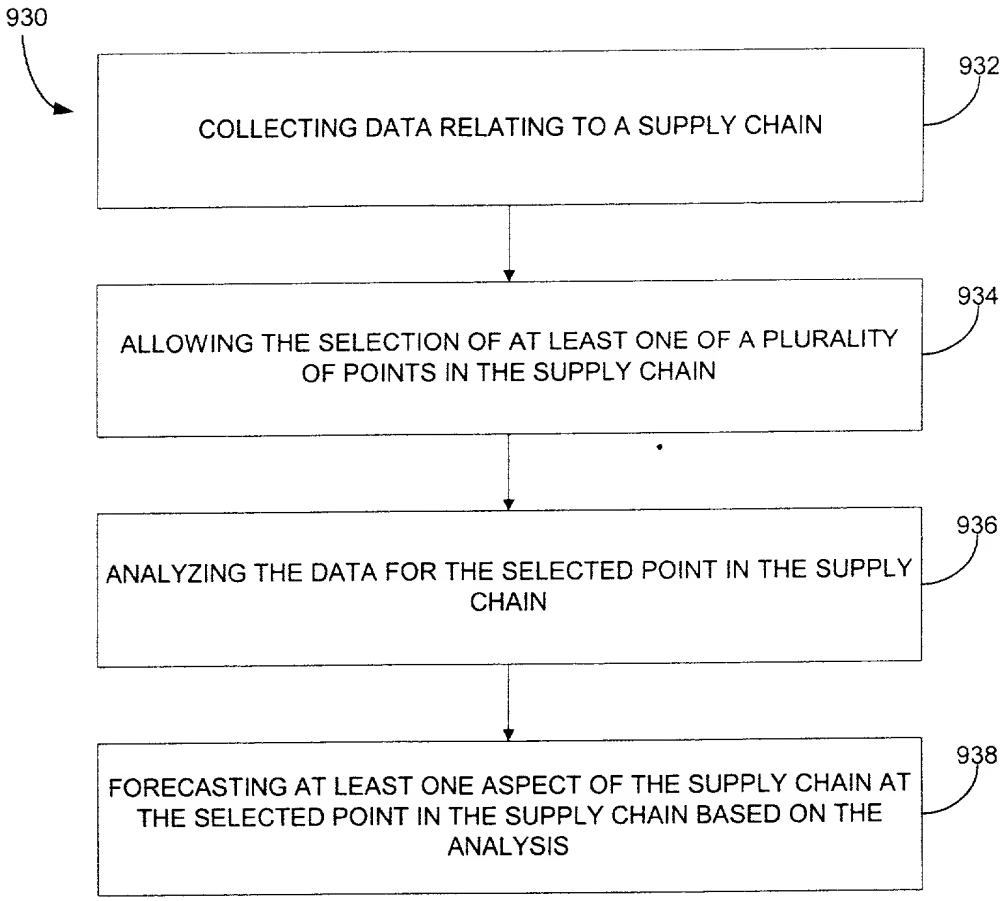

930
COLLECTING DATA RELATING TO A SUPPLY CHAIN
932
ALLOWING THE SELECTION OF AT LEAST ONE OF A PLURALITY OF POINTS IN THE SUPPLY CHAIN
934
ANALYZING THE DATA FOR THE SELECTED POINT IN THE SUPPLY CHAIN
936
FORECASTING AT LEAST ONE ASPECT OF THE SUPPLY CHAIN AT THE SELECTED POINT IN THE SUPPLY CHAIN BASED ON THE ANALYSIS
938

FIG. 9

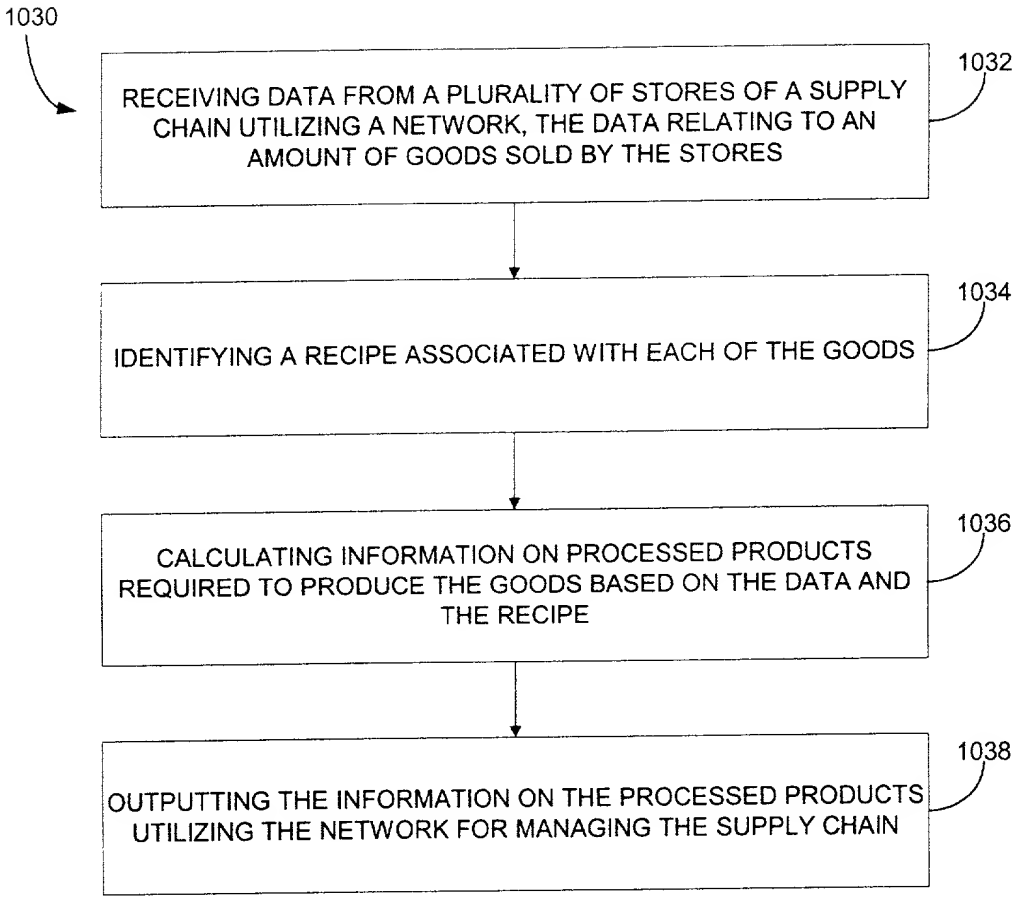

1030
RECEIVING DATA FROM A PLURALITY OF STORES OF A SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO AN AMOUNT OF GOODS SOLD BY THE STORES
1032
IDENTIFYING A RECIPE ASSOCIATED WITH EACH OF THE GOODS
1034
CALCULATING INFORMATION ON PROCESSED PRODUCTS REQUIRED TO PRODUCE THE GOODS BASED ON THE DATA AND THE RECIPE
1036
OUTPUTTING THE INFORMATION ON THE PROCESSED PRODUCTS UTILIZING THE NETWORK FOR MANAGING THE SUPPLY CHAIN
1038

FIG. 10

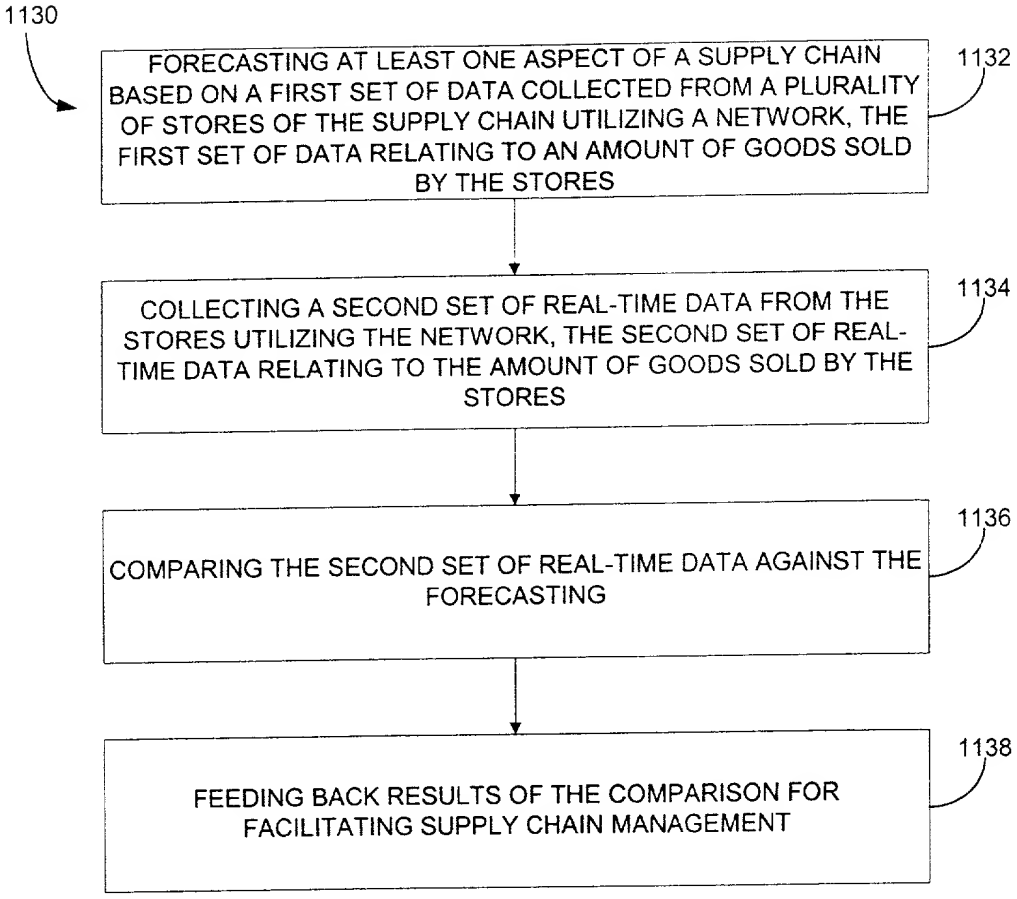

1130
FORECASTING AT LEAST ONE ASPECT OF A SUPPLY CHAIN BASED ON A FIRST SET OF DATA COLLECTED FROM A PLURALITY OF STORES OF THE SUPPLY CHAIN UTILIZING A NETWORK, THE FIRST SET OF DATA RELATING TO AN AMOUNT OF GOODS SOLD BY THE STORES
1132
COLLECTING A SECOND SET OF REAL-TIME DATA FROM THE STORES UTILIZING THE NETWORK, THE SECOND SET OF REAL-TIME DATA RELATING TO THE AMOUNT OF GOODS SOLD BY THE STORES
1134
COMPARING THE SECOND SET OF REAL-TIME DATA AGAINST THE FORECASTING
1136
FEEDING BACK RESULTS OF THE COMPARISON FOR FACILITATING SUPPLY CHAIN MANAGEMENT
1138

FIG. 11

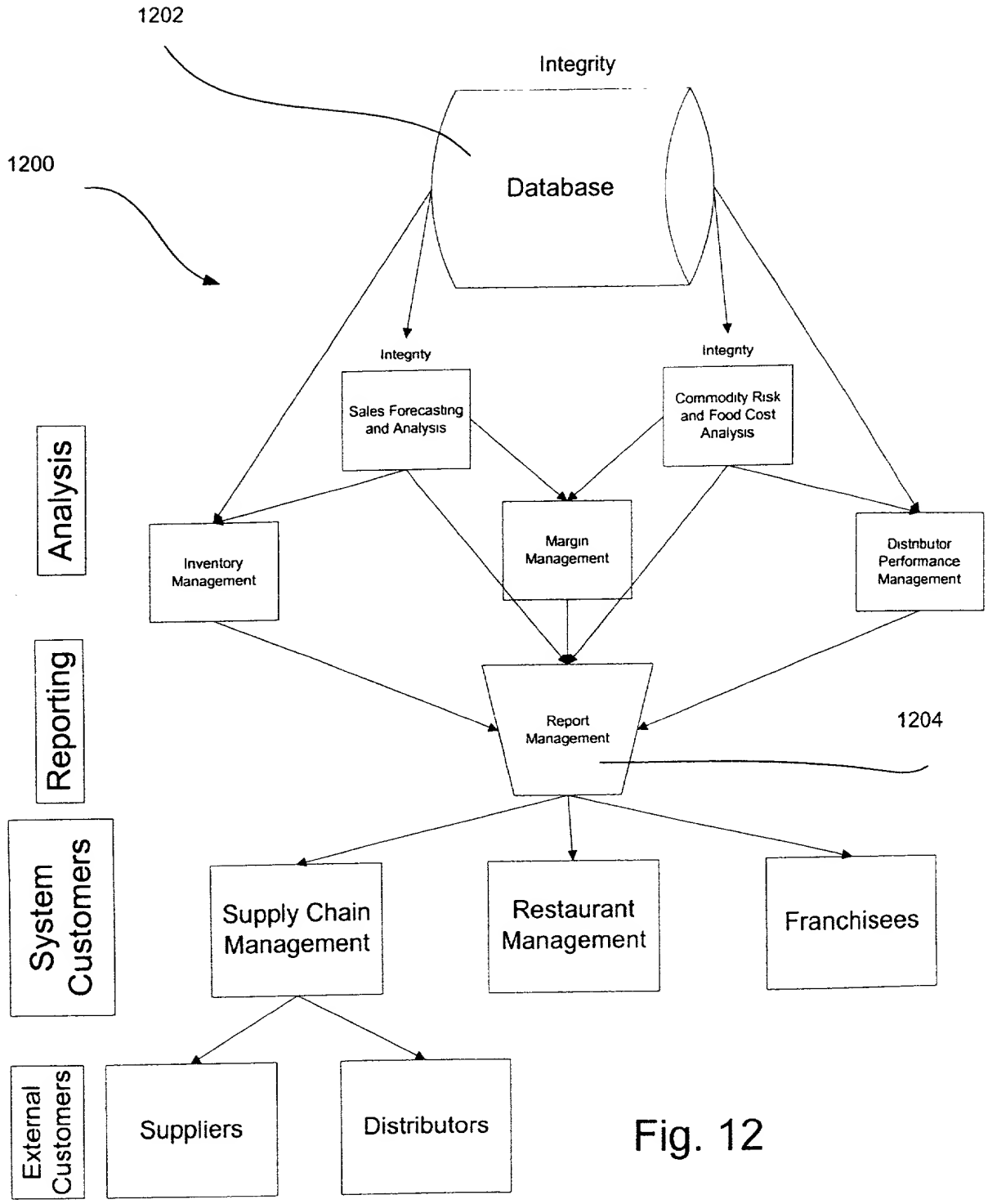

1202
Integrity
1200
Database
Integrity
Integrity
Sales Forecasting and Analysis
Commodity Risk and Food Cost Analysis
Analysis
Inventory Management
Margin Management
Distributor Performance Management
Reporting
Report Management
1204
System Customers
Supply Chain Management
Restaurant Management
Franchisees
External Customers
Suppliers
Distributors

Fig. 12

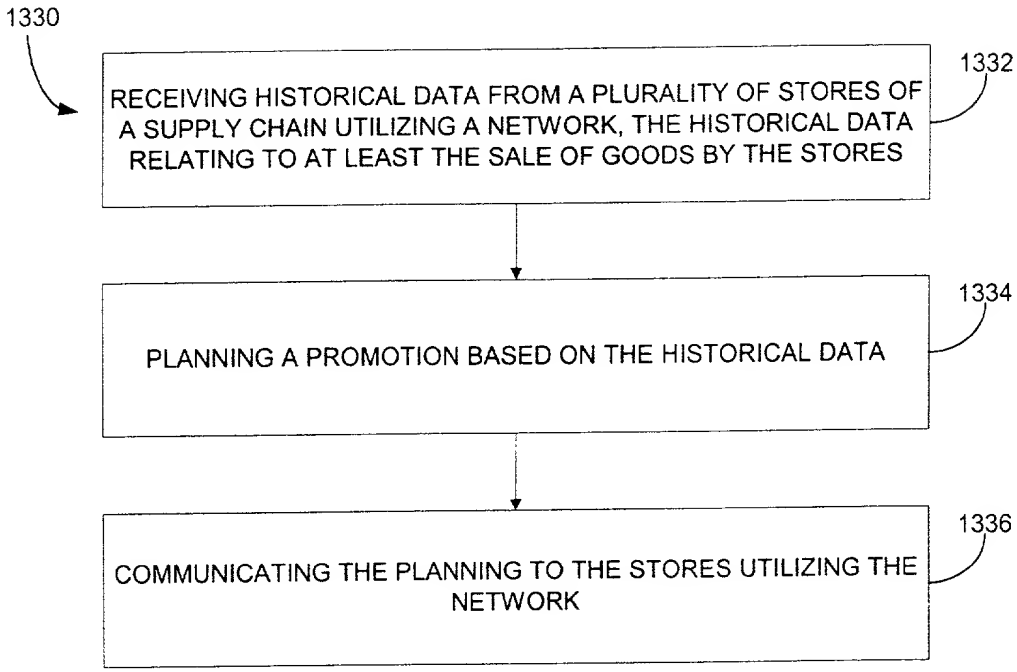

1330
RECEIVING HISTORICAL DATA FROM A PLURALITY OF STORES OF A SUPPLY CHAIN UTILIZING A NETWORK, THE HISTORICAL DATA RELATING TO AT LEAST THE SALE OF GOODS BY THE STORES
1332
PLANNING A PROMOTION BASED ON THE HISTORICAL DATA
1334
COMMUNICATING THE PLANNING TO THE STORES UTILIZING THE NETWORK
1336

FIG. 13

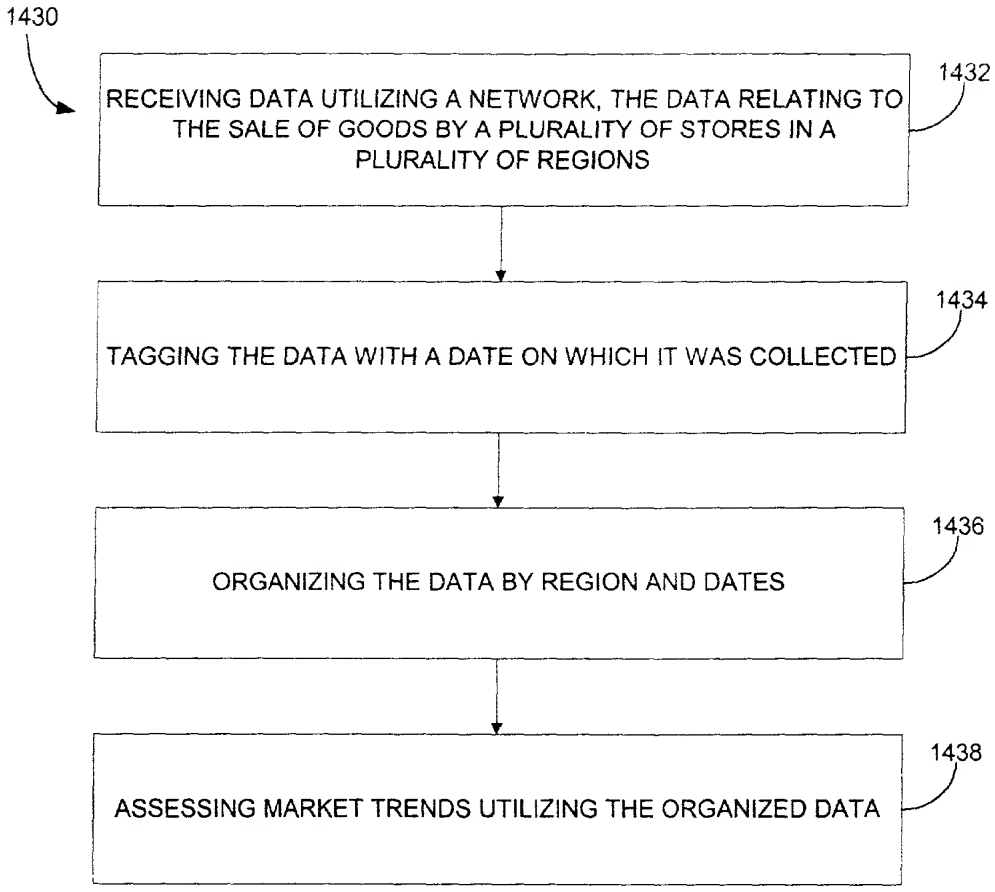

1430
RECEIVING DATA UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF GOODS BY A PLURALITY OF STORES IN A PLURALITY OF REGIONS
1432
TAGGING THE DATA WITH A DATE ON WHICH IT WAS COLLECTED
1434
ORGANIZING THE DATA BY REGION AND DATES
1436
ASSESSING MARKET TRENDS UTILIZING THE ORGANIZED DATA
1438

FIG. 14

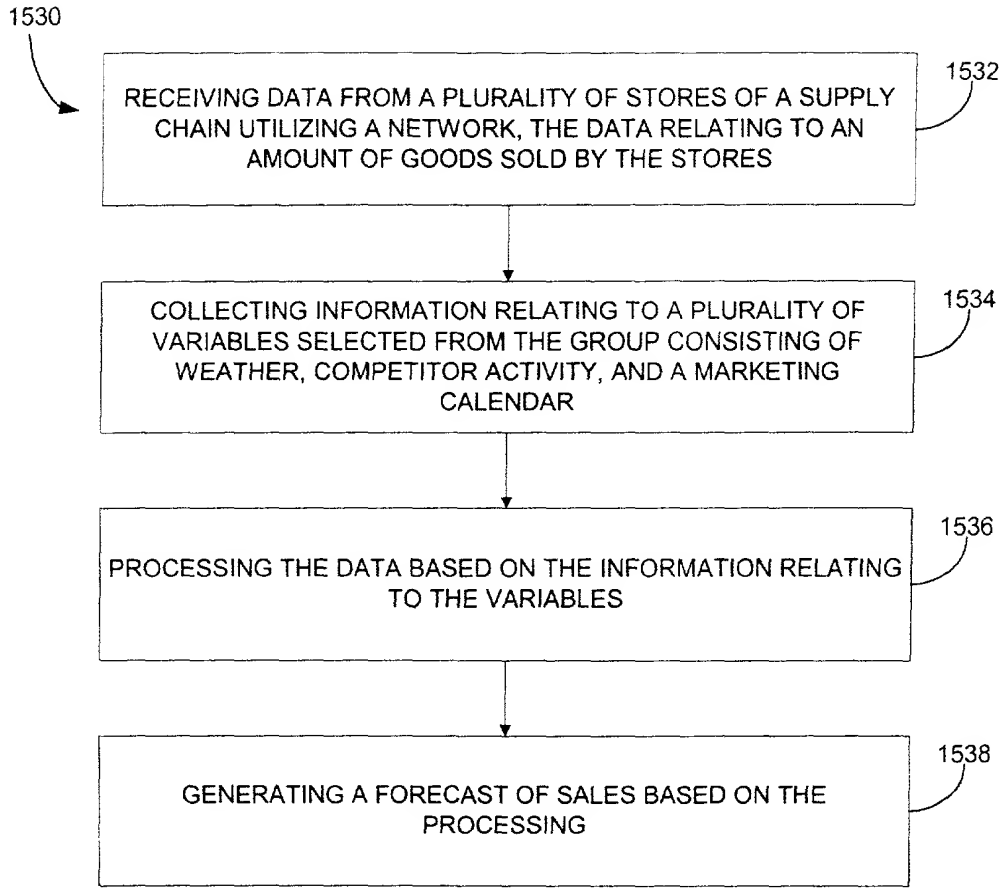

1530
RECEIVING DATA FROM A PLURALITY OF STORES OF A SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO AN AMOUNT OF GOODS SOLD BY THE STORES
1532
COLLECTING INFORMATION RELATING TO A PLURALITY OF VARIABLES SELECTED FROM THE GROUP CONSISTING OF WEATHER, COMPETITOR ACTIVITY, AND A MARKETING CALENDAR
1534
PROCESSING THE DATA BASED ON THE INFORMATION RELATING TO THE VARIABLES
1536
GENERATING A FORECAST OF SALES BASED ON THE PROCESSING
1538

FIG. 15

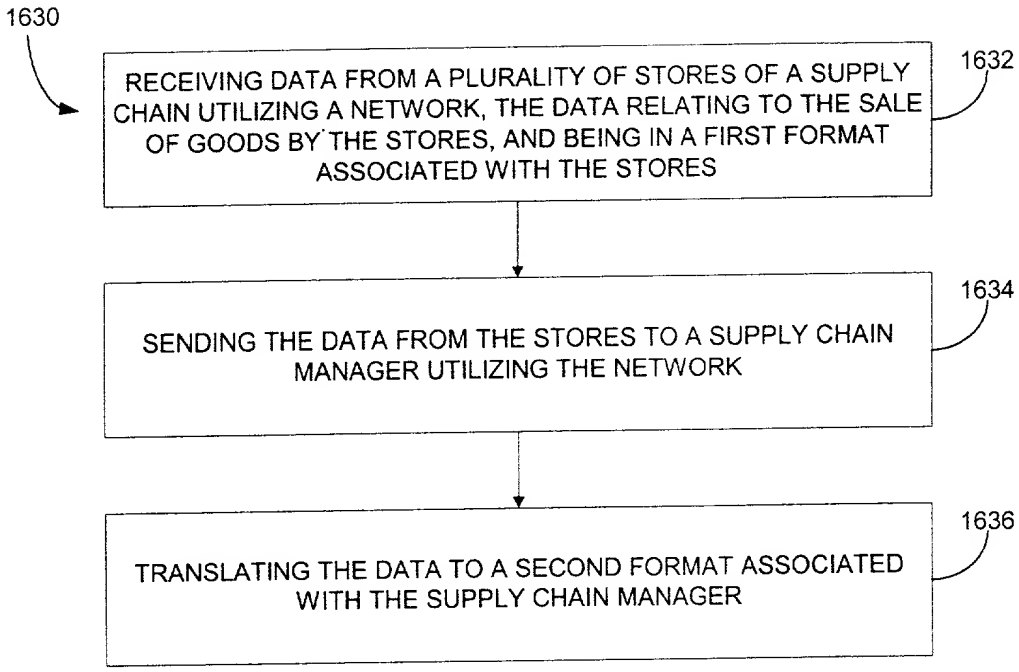

1630
RECEIVING DATA FROM A PLURALITY OF STORES OF A SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF GOODS BY THE STORES, AND BEING IN A FIRST FORMAT ASSOCIATED WITH THE STORES
1632
SENDING THE DATA FROM THE STORES TO A SUPPLY CHAIN MANAGER UTILIZING THE NETWORK
1634
TRANSLATING THE DATA TO A SECOND FORMAT ASSOCIATED WITH THE SUPPLY CHAIN MANAGER
1636

FIG. 16

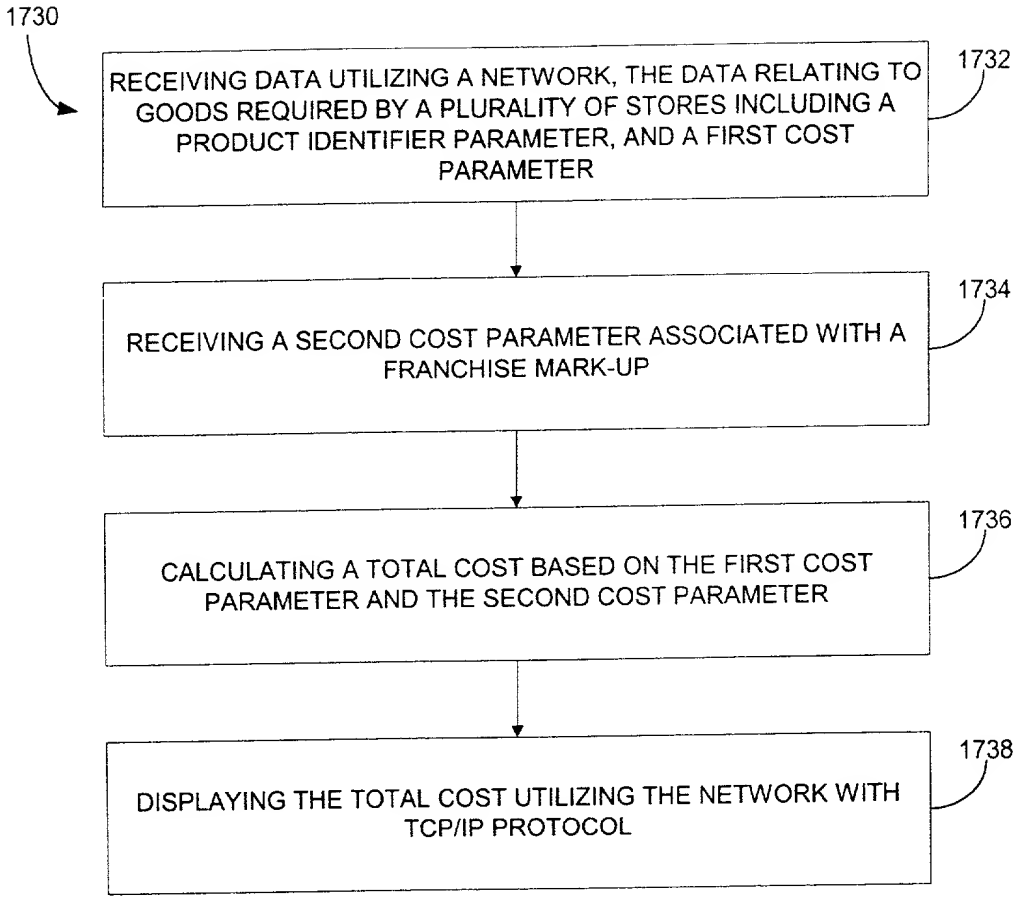

1730
RECEIVING DATA UTILIZING A NETWORK, THE DATA RELATING TO GOODS REQUIRED BY A PLURALITY OF STORES INCLUDING A PRODUCT IDENTIFIER PARAMETER, AND A FIRST COST PARAMETER
1732
RECEIVING A SECOND COST PARAMETER ASSOCIATED WITH A FRANCHISE MARK-UP
1734
CALCULATING A TOTAL COST BASED ON THE FIRST COST PARAMETER AND THE SECOND COST PARAMETER
1736
DISPLAYING THE TOTAL COST UTILIZING THE NETWORK WITH TCP/IP PROTOCOL
1738

FIG. 17

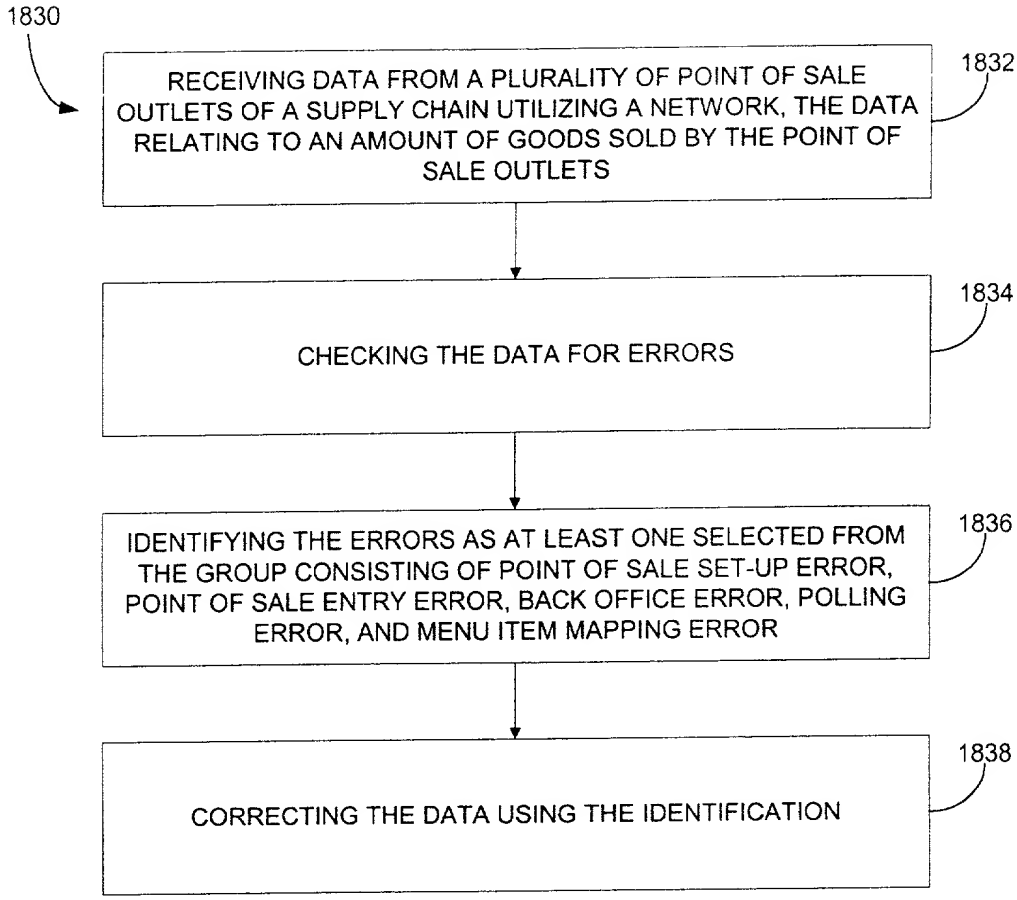

1830
RECEIVING DATA FROM A PLURALITY OF POINT OF SALE OUTLETS OF A SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO AN AMOUNT OF GOODS SOLD BY THE POINT OF SALE OUTLETS
1832
CHECKING THE DATA FOR ERRORS
1834
IDENTIFYING THE ERRORS AS AT LEAST ONE SELECTED FROM THE GROUP CONSISTING OF POINT OF SALE SET-UP ERROR, POINT OF SALE ENTRY ERROR, BACK OFFICE ERROR, POLLING ERROR, AND MENU ITEM MAPPING ERROR
1836
CORRECTING THE DATA USING THE IDENTIFICATION
1838

FIG. 18

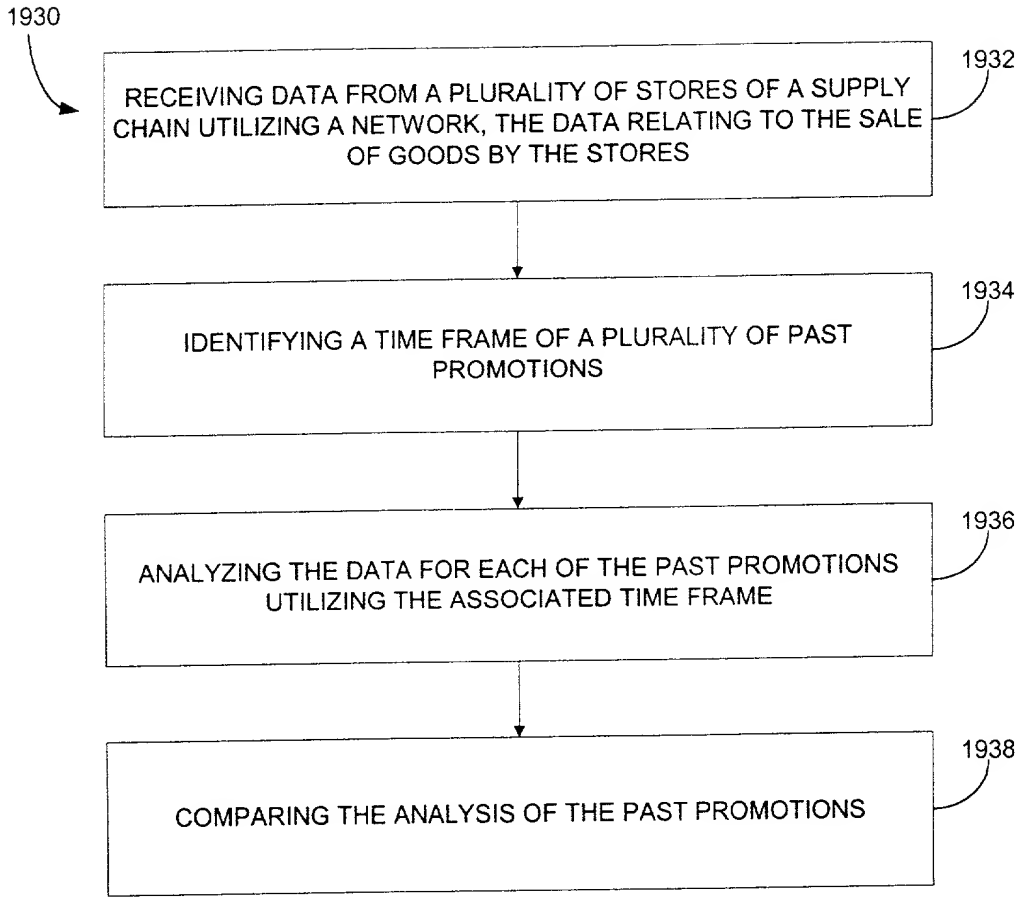

1930
RECEIVING DATA FROM A PLURALITY OF STORES OF A SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF GOODS BY THE STORES
1932
IDENTIFYING A TIME FRAME OF A PLURALITY OF PAST PROMOTIONS
1934
ANALYZING THE DATA FOR EACH OF THE PAST PROMOTIONS UTILIZING THE ASSOCIATED TIME FRAME
1936
COMPARING THE ANALYSIS OF THE PAST PROMOTIONS
1938

FIG. 19

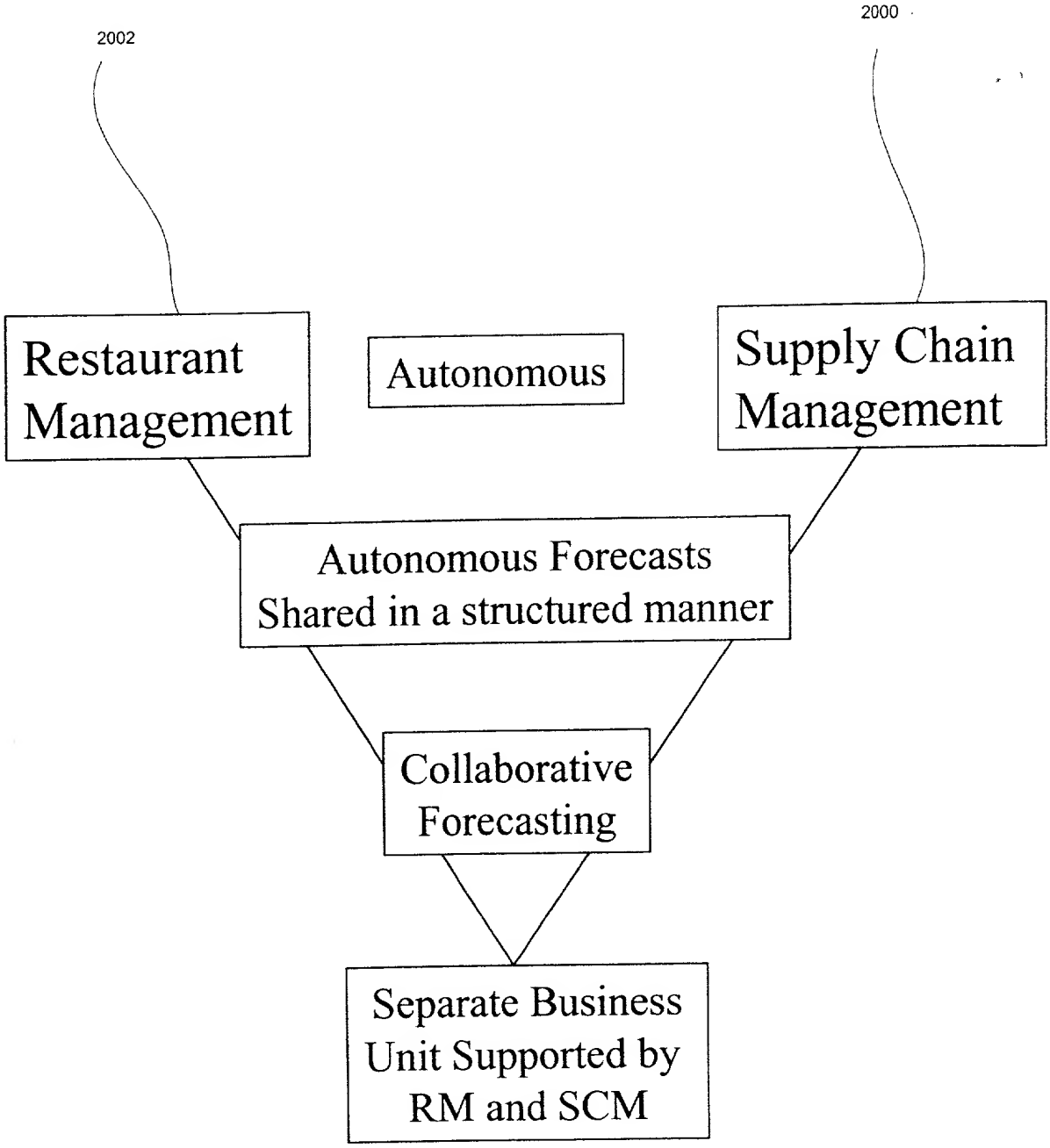

2002
2000
Restaurant Management
Autonomous
Supply Chain Management
Autonomous Forecasts Shared in a structured manner
Collaborative Forecasting
Separate Business Unit Supported by RM and SCM

Fig. 20

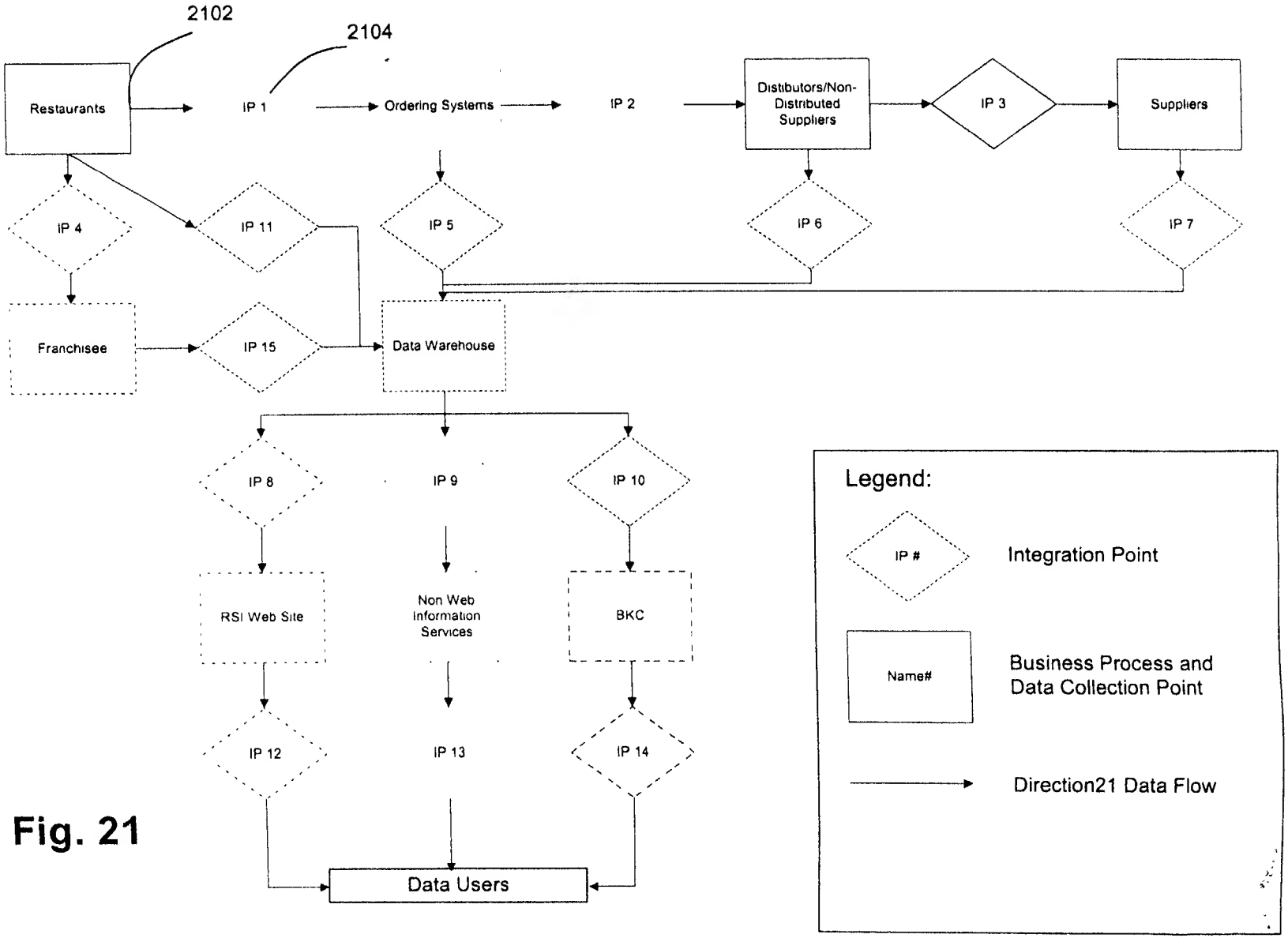

2102
2104
Restaurants
IP 1
Ordering Systems
IP 2
Distributors/Non-Distributed Suppliers
IP 3
Suppliers
IP 4
IP 11
IP 5
IP 6
IP 7
Franchisee
IP 15
Data Warehouse
IP 8
IP 9
IP 10
RSI Web Site
Non Web Information Services
BKC
IP 12
IP 13
IP 14
Data Users
Legend:
IP #
Integration Point
Name#
Business Process and Data Collection Point
Direction21 Data Flow

Fig. 21

TOSHIBA CORPORATION

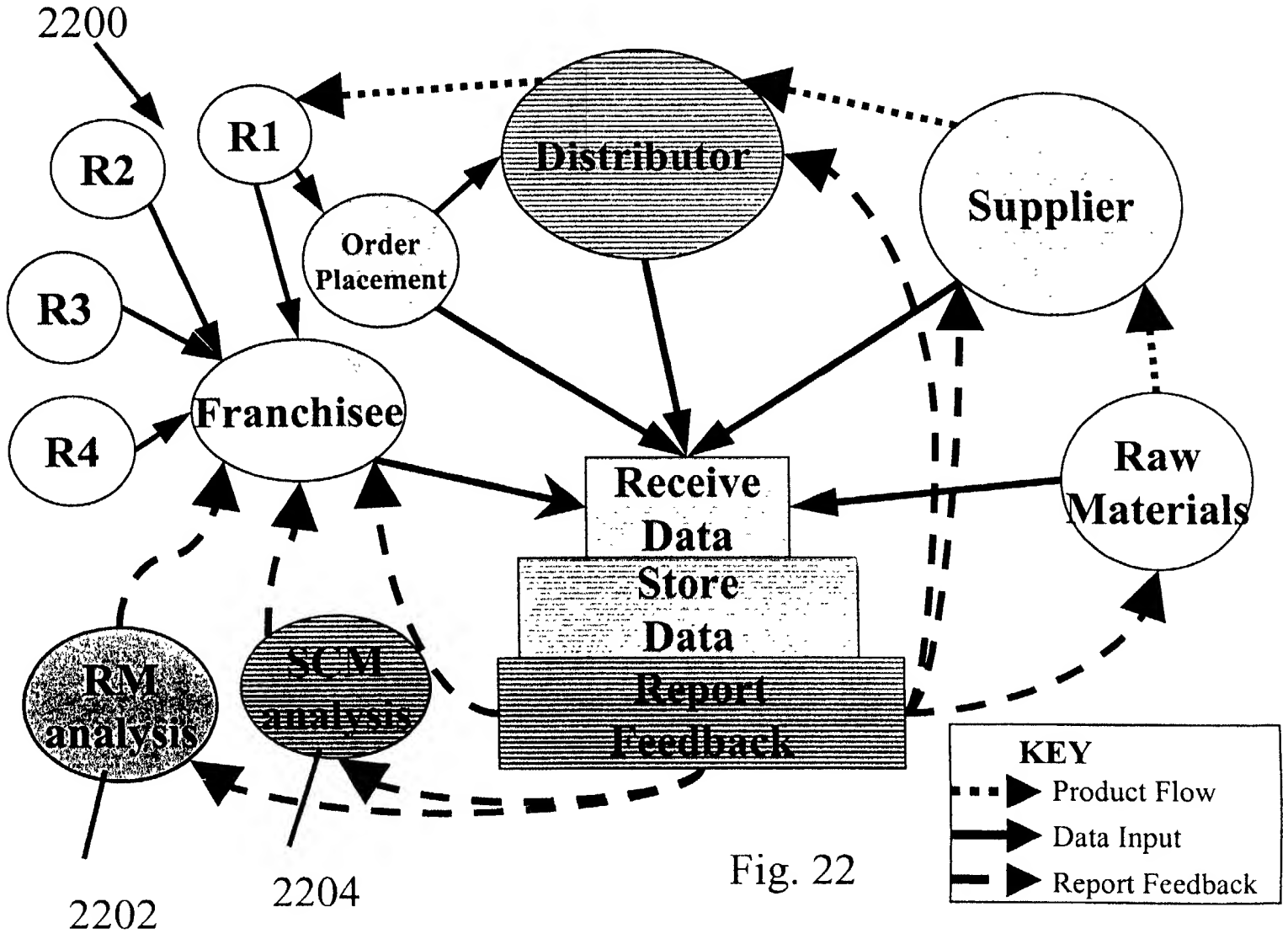


Fig. 22

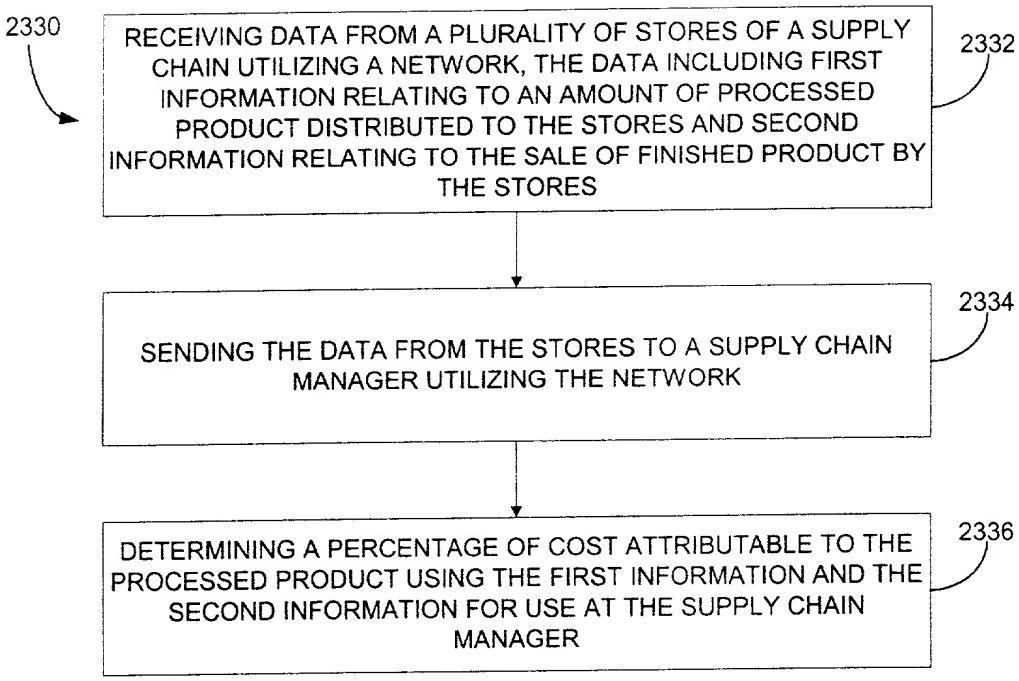
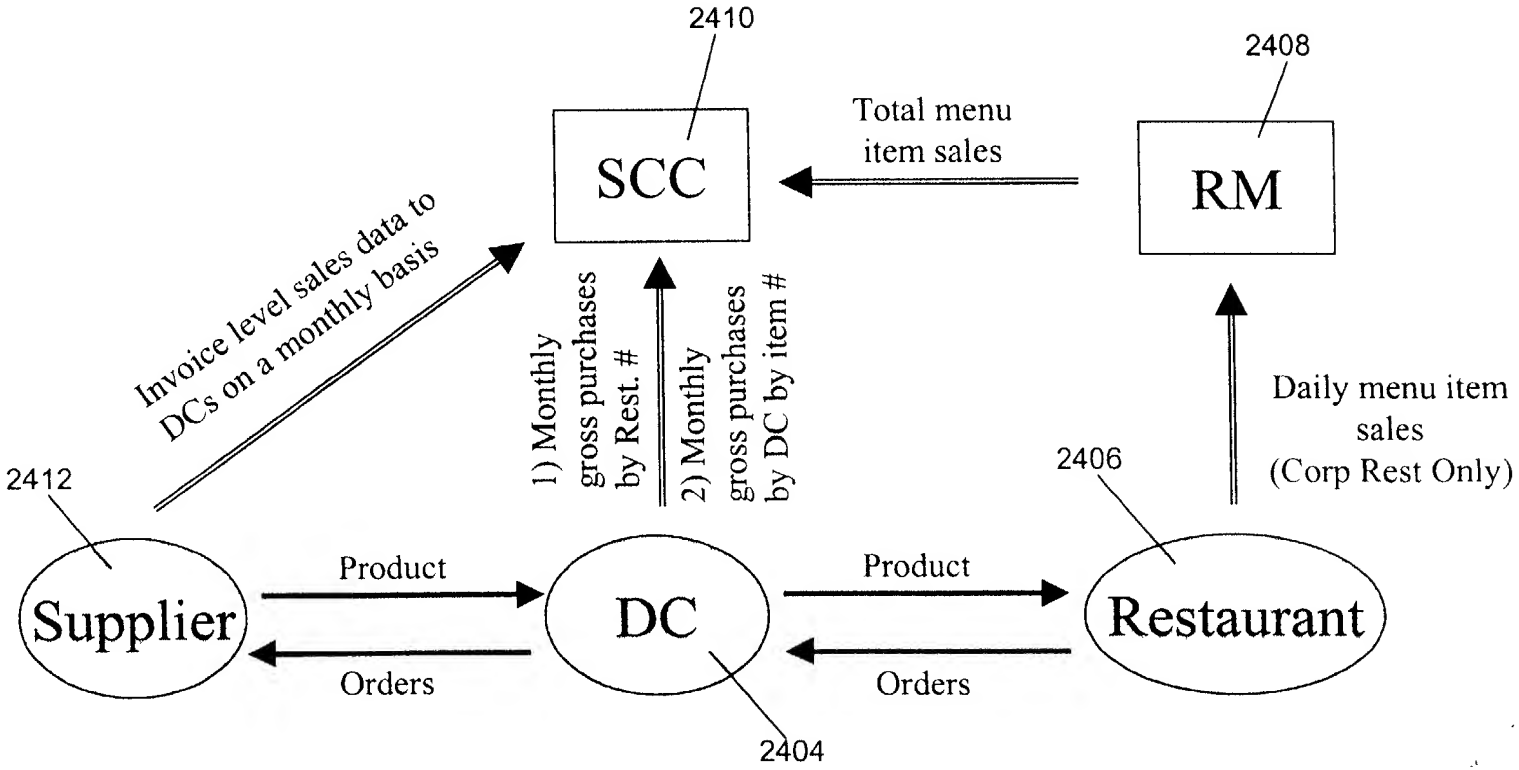

2330
RECEIVING DATA FROM A PLURALITY OF STORES OF A SUPPLY CHAIN UTILIZING A NETWORK, THE DATA INCLUDING FIRST INFORMATION RELATING TO AN AMOUNT OF PROCESSED PRODUCT DISTRIBUTED TO THE STORES AND SECOND INFORMATION RELATING TO THE SALE OF FINISHED PRODUCT BY THE STORES
2332
SENDING THE DATA FROM THE STORES TO A SUPPLY CHAIN MANAGER UTILIZING THE NETWORK
2334
DETERMINING A PERCENTAGE OF COST ATTRIBUTABLE TO THE PROCESSED PRODUCT USING THE FIRST INFORMATION AND THE SECOND INFORMATION FOR USE AT THE SUPPLY CHAIN MANAGER
2336

FIG. 23

T08020 "20591860

FIG. 24



TO98Z0 Z059T960

FIG. 25

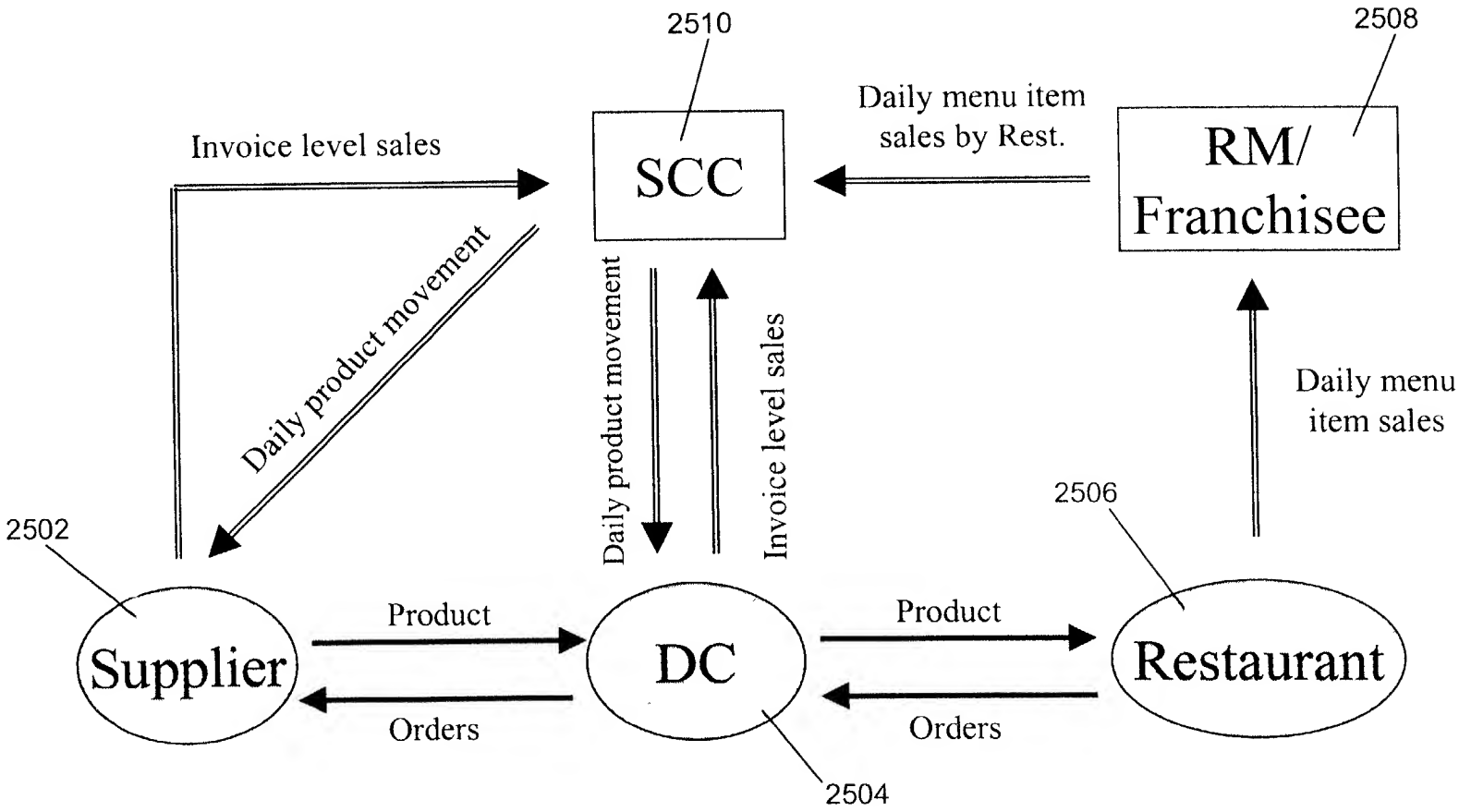


FIG. 26

2600

2602

2604

Sales Forecast Worksheet - System

	History								Forecast							
Week	**Q1**	**Q2**	**W-6**	**W-5**	**W-4**	**W-3**	**W-2**	**W-1**	**W+1**	**W+2**	**W+3**	**W+4**	**W+5**	**W+6**	**Q3**	**Q4**
GRP's																
Ntn'l Marketing Theme																
Advertising Score																
Local Considerations																
Competition Index																
Weather Index																
Seasonality Index																
Sales History/Forecast Total ($/store)																
Key Products by Menu Item (units/day/store)																
WHOPPERS	437	327	203	207	193	234	297	282	300	344	358	394	413	409	284	327
WHOPPERS W/CHEESE	208	172	143	140	135	155	196	172	163	172	179	196	206	204	143	164
YWVM WHOPPERS	805	723	701	692	623	760	921	829	900	943	829	912	958	948	707	813
etc.....																
Key Products by Inventory Item (cases/day/store)																
Beef-Whopper 4.0 oz	10.1	8.5	7.3	7.2	6.6	8.0	9.8	8.9	9.5	10 1	9.5	10.4	11.0	10.8	7.9	9.1
Cheese-American Sliced	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0 2	0.2
Mayo-bulk	2.8	2.4	2.0	2.0	1.9	2.2	2.8	2.5	2.7	2.8	2.7	2.9	3.1	3.0	2.2	2.5
Pickles - Pail	1.8	1.5	1.3	1.3	1.2	1.4	1.7	1.6	1.7	1.8	1.7	1.8	1.9	1.9	1.4	1.6
Wrap Whopper	0.4	0.3	0.3	0.3	0.2	0.3	0.4	0.3	0.3	0.4	0.3	0.4	0.4	0.4	0.3	0.3
Ketchup- Bulk	1.9	1.6	1.4	1.4	1.2	1.5	1.8	1.7	1 8	1.9	1.8	2.0	2.1	2.0	1.5	1.7
Bun-Whopper 5" (dozen)	120.8	101.8	87.3	86.6	79.3	95.8	117.8	106.9	113 6	121.6	113.8	125.2	131.4	130.1	94.5	108.7
Lettuce - shredded	3.4	2.9	2.5	2.4	2.2	2.7	3.3	3.0	3.2	3.4	3 2	3.5	3.7	3.7	2.7	3.1
Tomatoes	4.5	3 8	3.3	3.2	3.0	3.6	4.4	4.0	4.3	4.6	4 3	4 7	4 9	4.9	3.5	4.1
Onions - sliced	4.5	3 8	3.3	3.2	3.0	3.6	4.4	4.0	4.3	4.6	4.3	4.7	4.9	4 9	3.5	4 1
etc...																

FIG. 27

2700

Promotional Monitor - System & Regional

		History				Week #1							
		W-4	W-3	W-2	W-1	D+1	D+2	D+3	D+4	D+5	D+6	D+7	Total
Total Sales($/Store)		$23,000	$23,500	$23,250	$23,450	$2,888	$3,150	$3,413	$3,413	$3,675	$5,513	$4,200	$26,250
Menu Item Sales for Key Products(units/restaurant/week)													
Category	Segment												
Whopper	WHOPPERS	215	211	228	269	32	34	37	37	40	60	46	286
	WHOPPERS W/CHEESE	146	142	148	162	18	20	21	21	23	35	26	165
	YWVM WHOPPERS	699	679	714	813	94	103	111	111	120	180	137	857
Whopper Total		1,060	1,032	1,090	1,244	144	157	170	170	183	275	209	1,309
Variance from Expected (Highlighed Areas are Outside of Expected Range)													
Whopper	WHOPPERS	**11.4%**	-9.8%	**-23.2%**	-4.6%	2.3%	3.0%	1.0%	4.0%	**11.0%**	**16.0%**	8.0%	6.5%
	WHOPPERS W/CHEESE	8.1%	-8.4%	**-24.5%**	-5.8%	1.0%	4.0%	1.0%	4.0%	**13.0%**	**14.0%**	9.0%	6.6%
	YWVM WHOPPERS	**12.2%**	**-10.7%**	**-22.5%**	-1.9%	3.0%	3.0%	1.0%	5.0%	**16.0%**	**19.0%**	7.0%	7.7%
Whopper Total		**10.6%**	-9.6%	**-23.4%**	-4.1%	2.1%	3.3%	1.0%	4.3%	**13.3%**	**16.3%**	8.0%	6.9%

2702

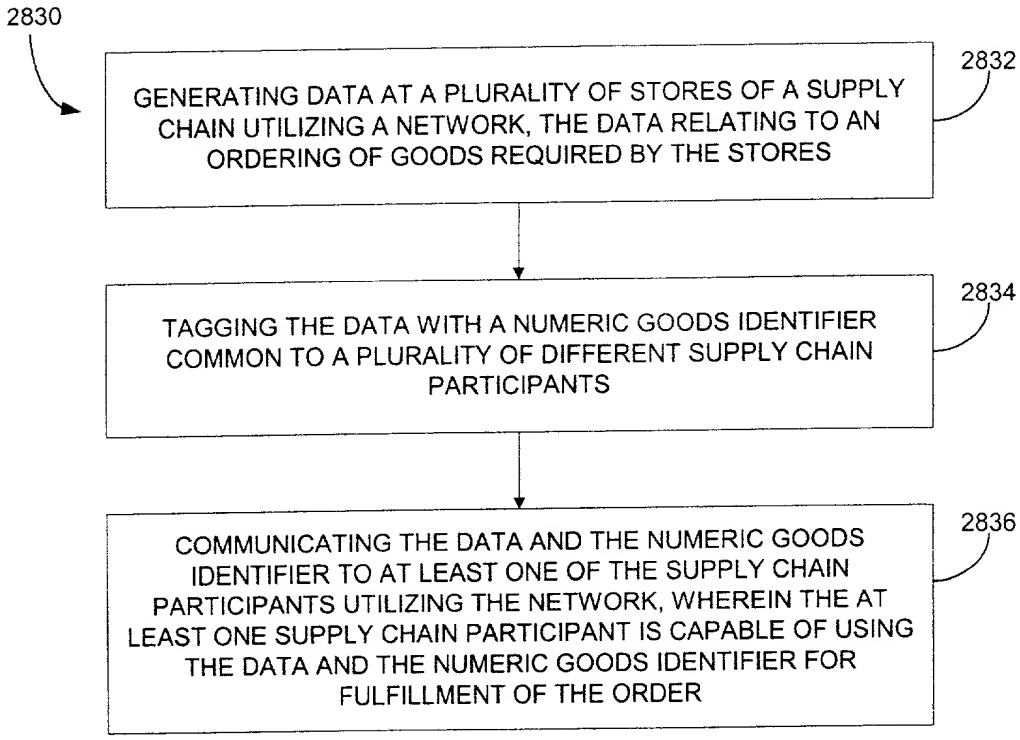

2830
GENERATING DATA AT A PLURALITY OF STORES OF A SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO AN ORDERING OF GOODS REQUIRED BY THE STORES
2832
TAGGING THE DATA WITH A NUMERIC GOODS IDENTIFIER COMMON TO A PLURALITY OF DIFFERENT SUPPLY CHAIN PARTICIPANTS
2834
COMMUNICATING THE DATA AND THE NUMERIC GOODS IDENTIFIER TO AT LEAST ONE OF THE SUPPLY CHAIN PARTICIPANTS UTILIZING THE NETWORK, WHEREIN THE AT LEAST ONE SUPPLY CHAIN PARTICIPANT IS CAPABLE OF USING THE DATA AND THE NUMERIC GOODS IDENTIFIER FOR FULFILLMENT OF THE ORDER
2836

FIG. 28

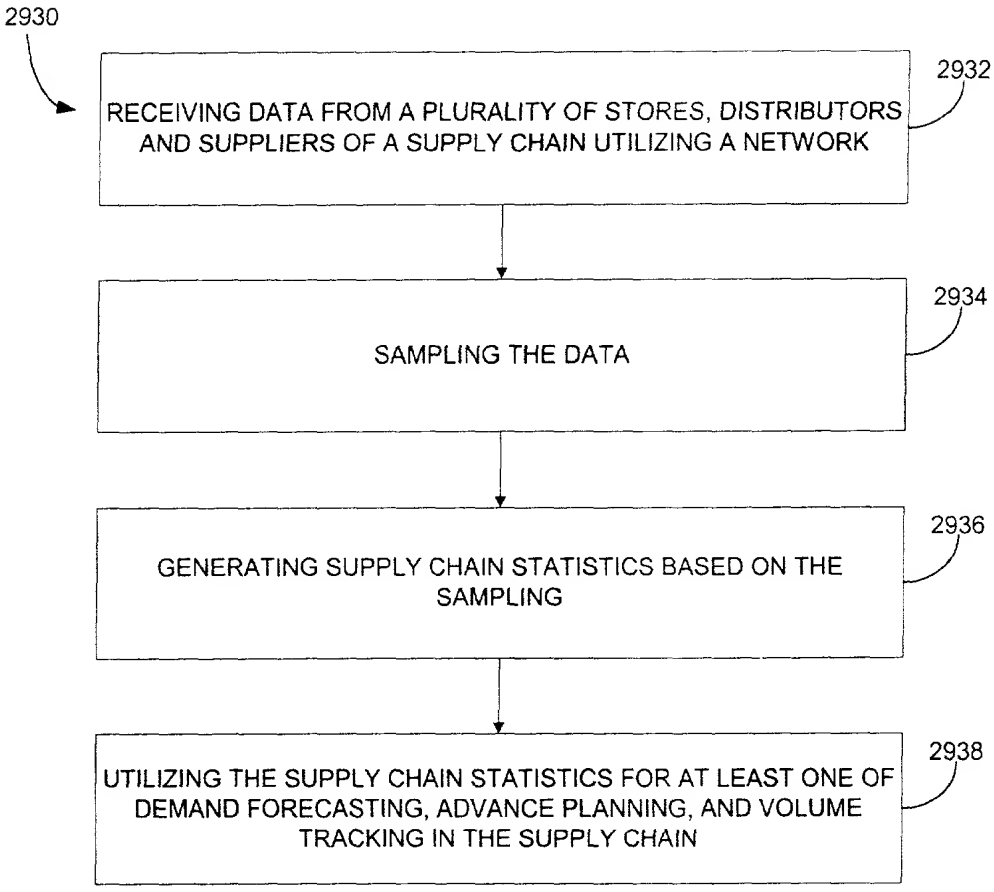

2930
RECEIVING DATA FROM A PLURALITY OF STORES, DISTRIBUTORS AND SUPPLIERS OF A SUPPLY CHAIN UTILIZING A NETWORK
2932
SAMPLING THE DATA
2934
GENERATING SUPPLY CHAIN STATISTICS BASED ON THE SAMPLING
2936
UTILIZING THE SUPPLY CHAIN STATISTICS FOR AT LEAST ONE OF DEMAND FORECASTING, ADVANCE PLANNING, AND VOLUME TRACKING IN THE SUPPLY CHAIN
2938

FIG. 29

3000

Distribution Center:	Alliant Topeka
Time Period (Month/Yr):	Jun-00

Delivery Order Fill Rate

Total Cases Ordered:	65712

3002

Operations:	Warehouse Outs	Damages	MisPicks	Short on Truck	Overlooked and Not Returned	Total Operations
Cases:	154	68	62	284		568
Percent	0.23%	0.10%	0.09%	0.43%	0.00%	0.86%

3004

Purchasing:	Out of Stocks	Substitutions	Out of Code	Total Purchasing
Cases:	990	70		1060
Percent:	1.51%	0 11%	0.00%	1 61%

Distribution Center Total:	Cases	Percent
Operations:	568	0.86%
Purchasing:	1060	1.61%
Grand Total:	1628	2.48%

Delivery Order Fill Rate:	**97.52%**

On-Time Delivery Rate

Total # of Deliveries:	1232
# of On-Time Deliveries:	
On-Time Delivery Rate:	**0.00%**

Perfect Order Rate

Total # of Deliveries:	1232
Total # of Perfect Orders:	725
Perfect Order Rate:	**58.85%**

FIG. 30

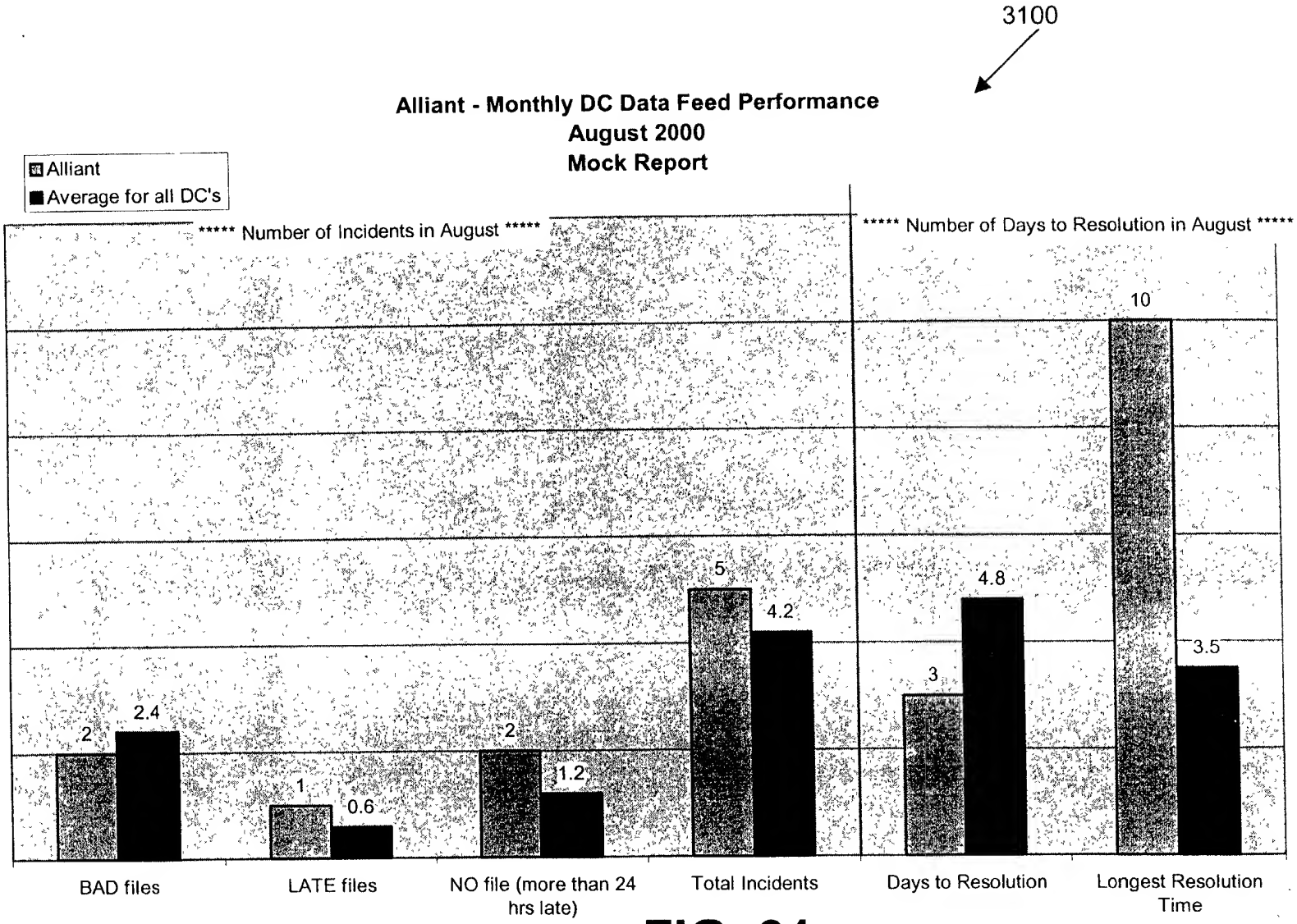

3100
Alliant - Monthly DC Data Feed Performance
August 2000
Mock Report
Alliant
Average for all DC's
***** Number of Incidents in August *****
***** Number of Days to Resolution in August *****
2
2.4
1
0.6
2
1.2
5
4.2
3
4.8
10
3.5
BAD files
LATE files
NO file (more than 24 hrs late)
Total Incidents
Days to Resolution
Longest Resolution Time

FIG. 31

3200

Service Level Reporting
August

	Fill Rate	On - Time	Perfect Order
Alliant-Paducah	99.14%		
Alliant-Topeka			
Alliant Wixom	99.05%		
King-Atlanta	99.34%		78.70%
King-Jacksonville			
King-Louisville			
Maines 29, Conklin	99.41%		79 25%
Maines 30, Cleveland			
Maines Long Island	99.41%		
Maines New England			79 83%
MBM Fullerton	99.13%		#DIV/0!
MBM Lewisville			#DIV/0!
MBM Orlando			#DIV/0!
MBM Rocky Mount	99.13%		#DIV/0!
McCabe's			
McLane Lubbock	#DIV/0!	#DIV/0!	#DIV/0!
Nicholas & Co.			
PFD Supply	99.16%		
PFG Victoria	99 42%	#DIV/0!	
PYA/Monarch	99.20%		
Reinhart-Cedar Rapids	99.05%		
Reinhart-Oak Creek	99.31%		
Reinhart-Rogers			
Restaurants NW	99 03%	99.07%	60.47%
Shamrock Commerce City		94.88%	85.13%
Shamrock Phoenix	98.81%		
Sygma Harrisburg			
Sygma Stockton			
Sysco			

	Fill Rate	On - Time	Perfect Order
BKC Min	**98.50%**	**90.00%**	**78.00%**
RSI Min	**99.50%**	**90.00%**	**80.00%**

	OK
	Didn't meet RSI Min
	Didn't meet BK Min

FIG. 32

FIG. 33

3300

Vendor: XYZ Company

Time Period: Aug-00

3300

Delivery Statistics:

DC Requested Lead-Time	4
DC Adherence to Lead-Time	95%
Days Delivery Late	1.7
On-Time Delivery Percentage	95%
Hours Delivery Late	0.93

Invoice, Payment and Pricing:

Days for Payment	12
Monthly FOB Variance	$ 30,152
Monthly Freight Variance	$ 3,594
Monthly Total Variance	$ 33,746

Invoice Accuracy:

Invoice Fill Rate	97.25%
PO Accepted Rate	99.00%
Perfect Order Percentage	92.34%

Inventory Management:

Average Days On Hand	
SKU #1	19
SKU #2	22
Max Days On Hand	
SKU #1	40
SKU #2	32

Monthly Carrying Cost	
SKU #1	$ 42,513
SKU #2	$ 12,589
Average as % FOB	1.25%

FIG. 34

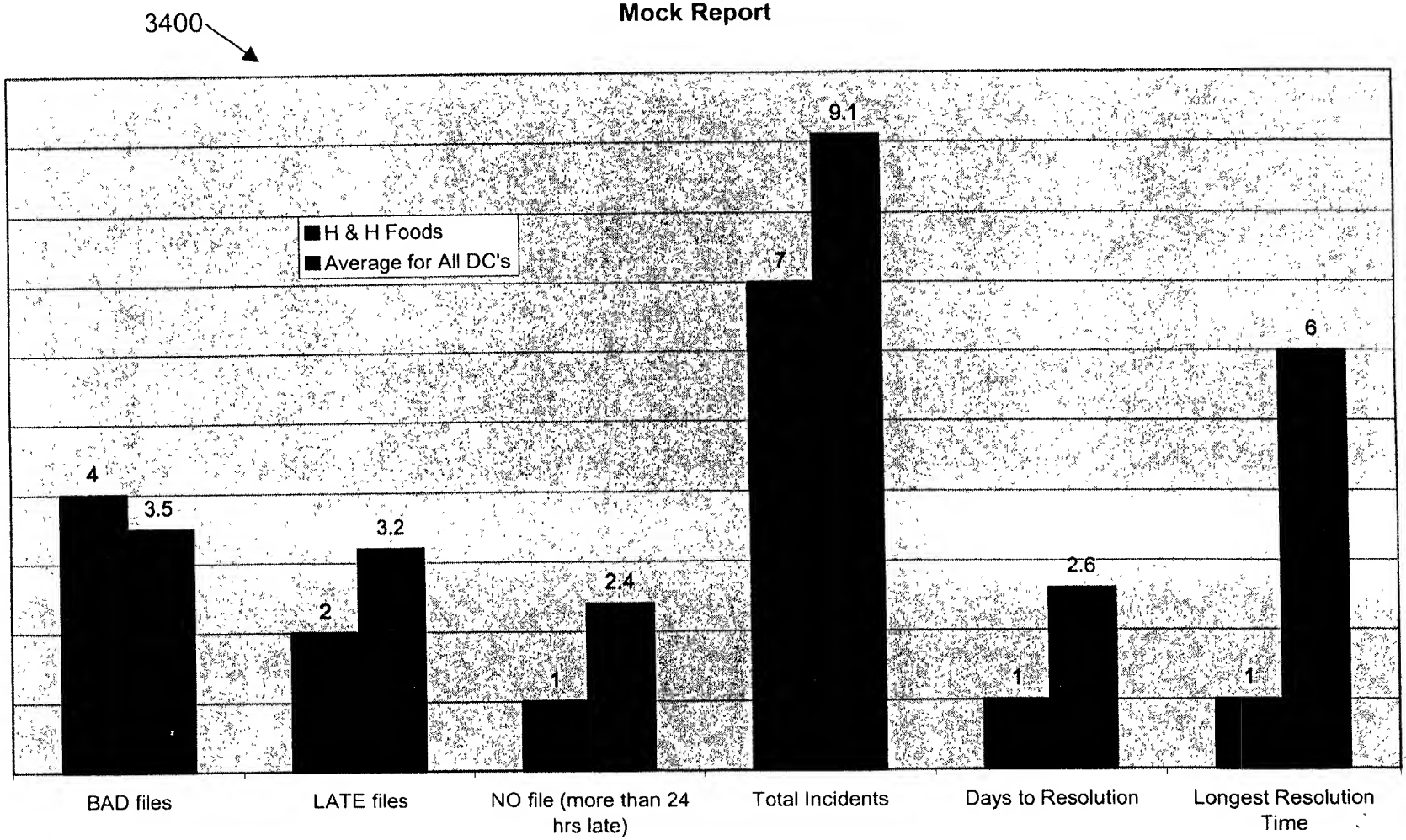

H & H Foods - Monthly Supplier Data Feed Performance
August 2000
Mock Report
3400
H & H Foods
Average for All DC's
4
3.5
2
3.2
1
2.4
7
9.1
1
2.6
1
6
BAD files
LATE files
NO file (more than 24 hrs late)
Total Incidents
Days to Resolution
Longest Resolution Time

FIG. 35

3500

Service Level Reporting
November - Mock Report

	Monthly Total Overcharge	Perfect Order Percentage	Monthly Carrying % Invoice FOB
GOODIES			2.35%
COMARK INSTRUMENTS, INC.			
WHITEFORD FOODS, INC.			2.10%
LEPAGE BAKERY / COUNTRY KITCHE			
NCR-SYSTEMEDIA			1.8%
SIGNATURE MEATS GROUP			1.9%
SCHWEBEL'S BAKING CO			1.9%
MAUI CUP			
MIRA PLASTICS			2.2%
DIXIE PRODUCE & PACKAGING			
NOR-LAKE, INC.			
FORT JAMES OPERATING COMPANY			1.45%
FRESH ADVANTAGE, KC		97.2%	2.0%
SILVER KING - MN - CORP			
TYSON FOODS			
READY ACCESS			
GEORGIA PACIFIC TISSUE			2.4%
CLOUGHERTY PACKING		97.2%	2.45%
BEVERAGE - AIR			
COMPONENT HARDWARE GROUP, INC			2.06%
COCA - COLA USA	$0		
TOASTMASTER	$1,998	93.5%	1.55%
GRANT COUNTY FOODS		96.3%	2.20%
FRESH EXPRESS	$0		
TAYLOR FARMS			1.04%
MODULAR DISPENSING SYSTEM	$0		
CENTURY PRODUCTS, LLC	$0.00		
ROSE PACKING COMPANY		93.2%	2.98%

	Monthly Total Overcharge	Perfect Order Percentage	Monthly Carrying % Invoice FOB
RSI Min	**$5,000.00**	**92.00%**	**3.00%**

	OK
	Didn't meet RSI Min.

3600

Mock Report/1

	FY 01	Oct-00	Nov-00	Dec-00	Jan-01	Feb-01	Mar-01	Apr-01	May-01
Food Cost Index									
Plan	99.75	99.69	99.20	98.63	100.33	100.49	101.12	100.44	99.92
Actual		99.10	98.90						
Variance		0.59	0.30						
Good/(Bad)									
Total Dollar Purchases (in Millions) /2									
Plan	$2,237.24	$183.98	$182.73	$184.54	$187.33	$187.03	$189.14	$187.47	$186.83
Actual		$182.84	$182.08						
Variance		$1.14	$0.65						
Good/(Bad)		0 6%	0.4%						

/1 Includes on food cost index items.
/2 Based on FY 99 Sales Volumes

FIG. 36

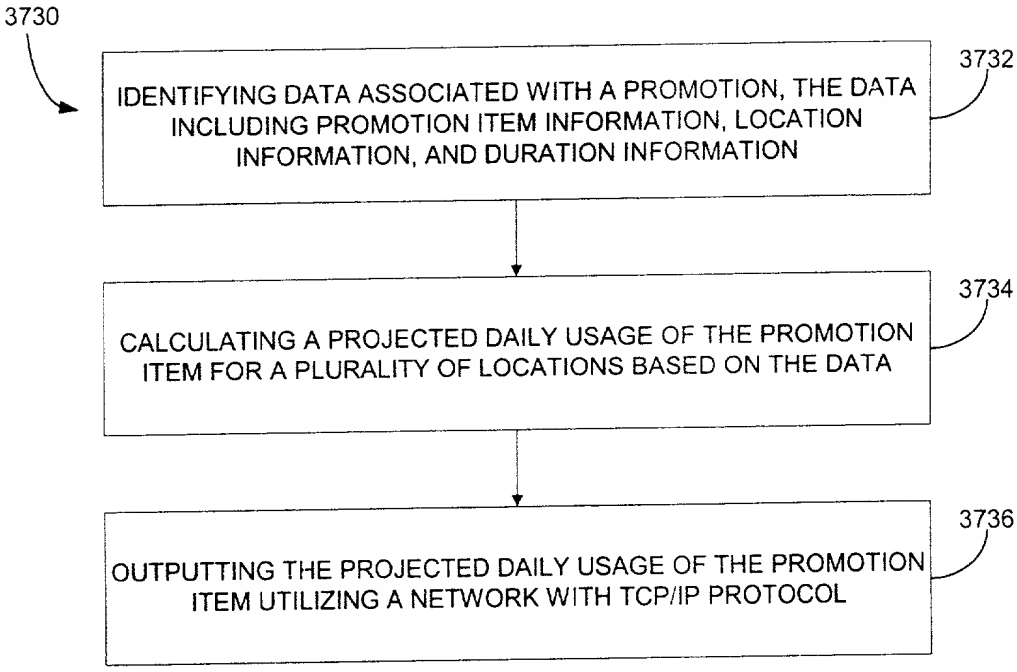

3730
IDENTIFYING DATA ASSOCIATED WITH A PROMOTION, THE DATA INCLUDING PROMOTION ITEM INFORMATION, LOCATION INFORMATION, AND DURATION INFORMATION
3732
CALCULATING A PROJECTED DAILY USAGE OF THE PROMOTION ITEM FOR A PLURALITY OF LOCATIONS BASED ON THE DATA
3734
OUTPUTTING THE PROJECTED DAILY USAGE OF THE PROMOTION ITEM UTILIZING A NETWORK WITH TCP/IP PROTOCOL
3736

FIG. 37

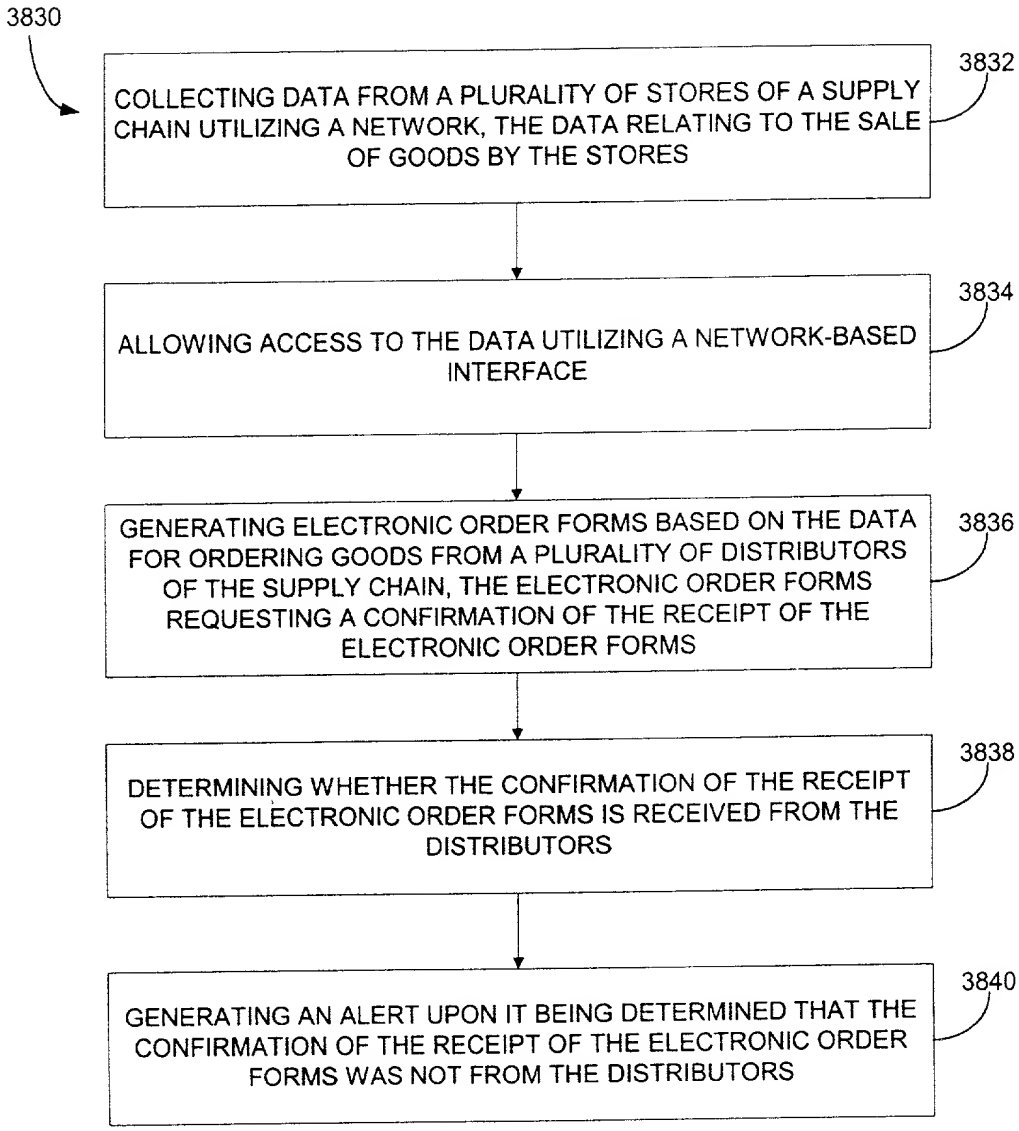

3830
COLLECTING DATA FROM A PLURALITY OF STORES OF A SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF GOODS BY THE STORES
3832
ALLOWING ACCESS TO THE DATA UTILIZING A NETWORK-BASED INTERFACE
3834
GENERATING ELECTRONIC ORDER FORMS BASED ON THE DATA FOR ORDERING GOODS FROM A PLURALITY OF DISTRIBUTORS OF THE SUPPLY CHAIN, THE ELECTRONIC ORDER FORMS REQUESTING A CONFIRMATION OF THE RECEIPT OF THE ELECTRONIC ORDER FORMS
3836
DETERMINING WHETHER THE CONFIRMATION OF THE RECEIPT OF THE ELECTRONIC ORDER FORMS IS RECEIVED FROM THE DISTRIBUTORS
3838
GENERATING AN ALERT UPON IT BEING DETERMINED THAT THE CONFIRMATION OF THE RECEIPT OF THE ELECTRONIC ORDER FORMS WAS NOT FROM THE DISTRIBUTORS
3840

FIG. 38

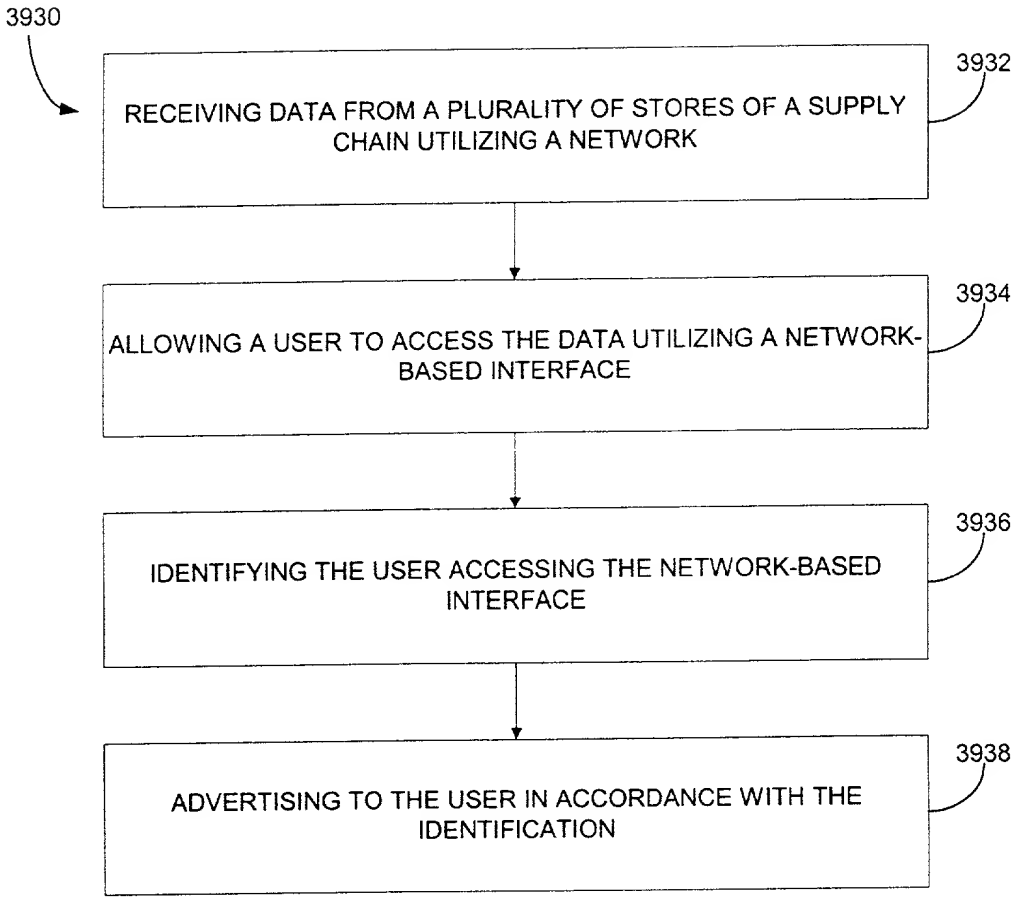

3930
RECEIVING DATA FROM A PLURALITY OF STORES OF A SUPPLY CHAIN UTILIZING A NETWORK
3932
ALLOWING A USER TO ACCESS THE DATA UTILIZING A NETWORK-BASED INTERFACE
3934
IDENTIFYING THE USER ACCESSING THE NETWORK-BASED INTERFACE
3936
ADVERTISING TO THE USER IN ACCORDANCE WITH THE IDENTIFICATION
3938

FIG. 39

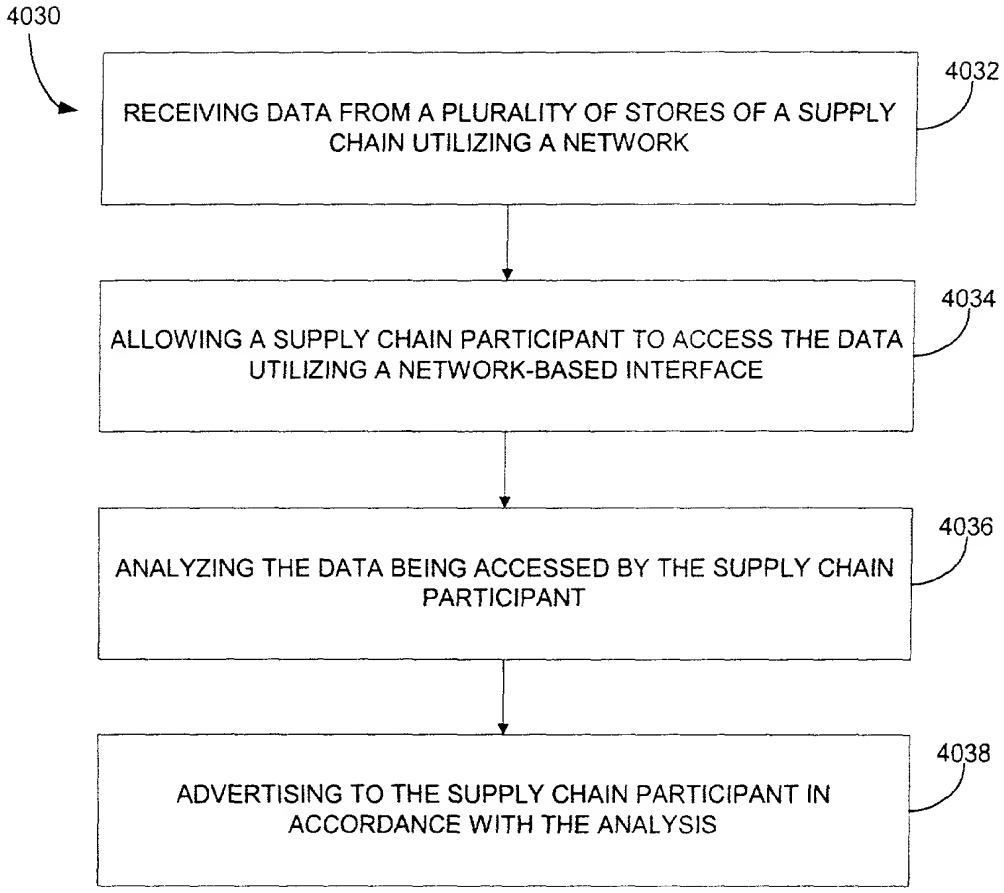

4030
RECEIVING DATA FROM A PLURALITY OF STORES OF A SUPPLY CHAIN UTILIZING A NETWORK
4032
ALLOWING A SUPPLY CHAIN PARTICIPANT TO ACCESS THE DATA UTILIZING A NETWORK-BASED INTERFACE
4034
ANALYZING THE DATA BEING ACCESSED BY THE SUPPLY CHAIN PARTICIPANT
4036
ADVERTISING TO THE SUPPLY CHAIN PARTICIPANT IN ACCORDANCE WITH THE ANALYSIS
4038

FIG. 40

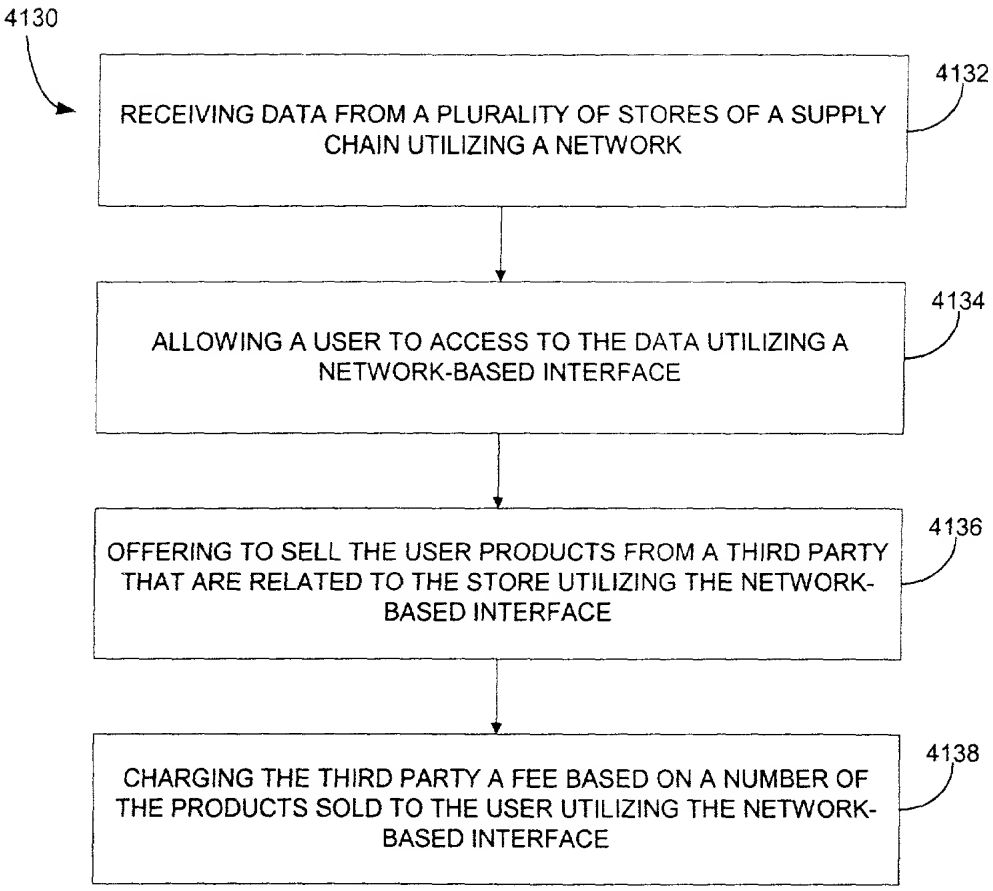

4130
RECEIVING DATA FROM A PLURALITY OF STORES OF A SUPPLY CHAIN UTILIZING A NETWORK
4132
ALLOWING A USER TO ACCESS TO THE DATA UTILIZING A NETWORK-BASED INTERFACE
4134
OFFERING TO SELL THE USER PRODUCTS FROM A THIRD PARTY THAT ARE RELATED TO THE STORE UTILIZING THE NETWORK-BASED INTERFACE
4136
CHARGING THE THIRD PARTY A FEE BASED ON A NUMBER OF THE PRODUCTS SOLD TO THE USER UTILIZING THE NETWORK-BASED INTERFACE
4138

FIG. 41

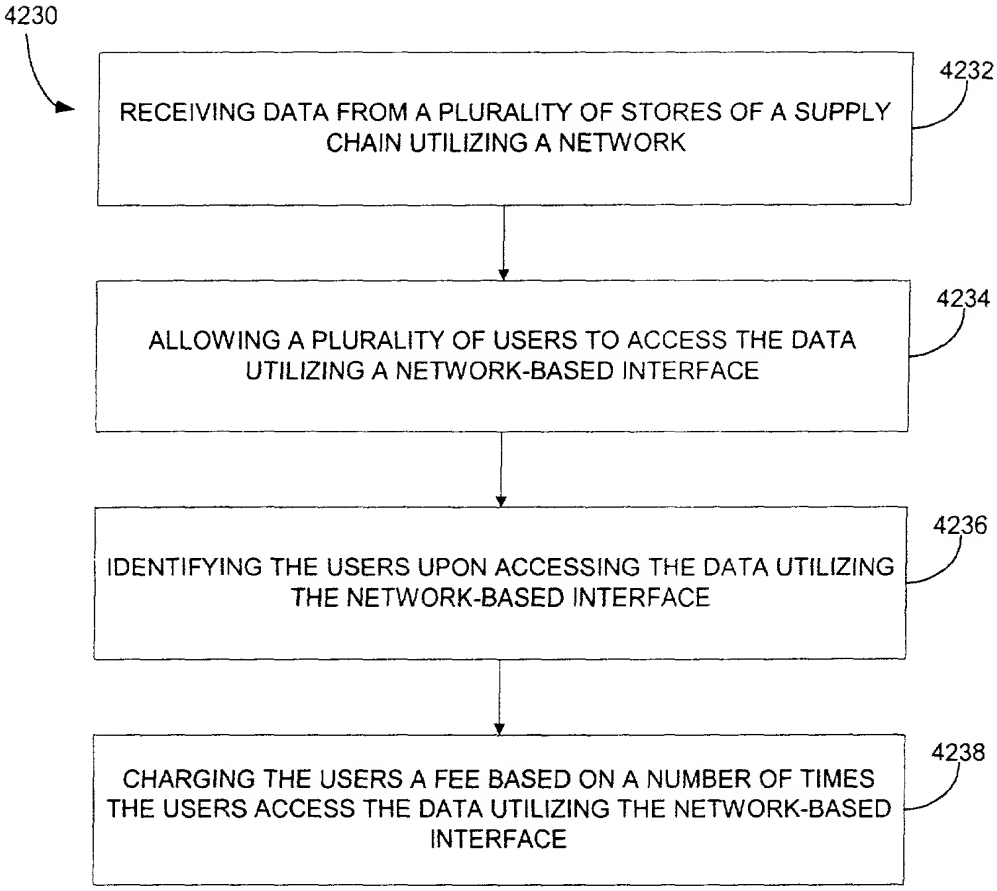

4230
RECEIVING DATA FROM A PLURALITY OF STORES OF A SUPPLY CHAIN UTILIZING A NETWORK
4232
ALLOWING A PLURALITY OF USERS TO ACCESS THE DATA UTILIZING A NETWORK-BASED INTERFACE
4234
IDENTIFYING THE USERS UPON ACCESSING THE DATA UTILIZING THE NETWORK-BASED INTERFACE
4236
CHARGING THE USERS A FEE BASED ON A NUMBER OF TIMES THE USERS ACCESS THE DATA UTILIZING THE NETWORK-BASED INTERFACE
4238

FIG. 42

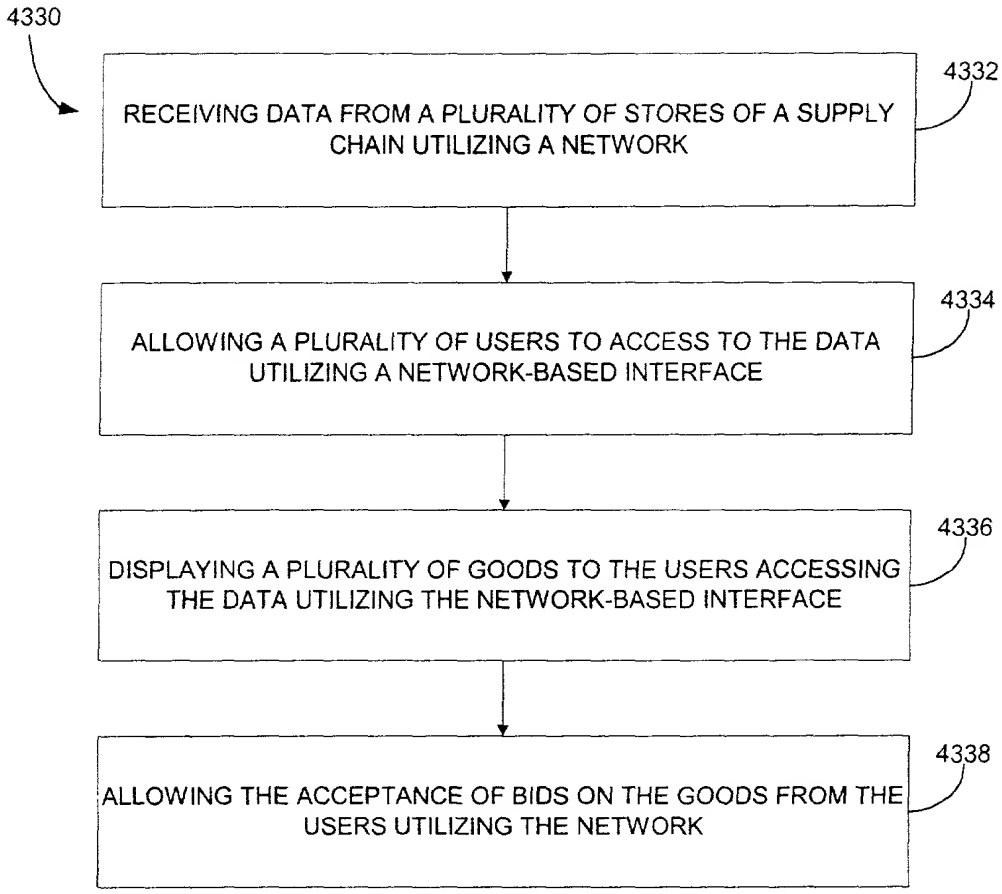

4330
RECEIVING DATA FROM A PLURALITY OF STORES OF A SUPPLY CHAIN UTILIZING A NETWORK
4332
ALLOWING A PLURALITY OF USERS TO ACCESS TO THE DATA UTILIZING A NETWORK-BASED INTERFACE
4334
DISPLAYING A PLURALITY OF GOODS TO THE USERS ACCESSING THE DATA UTILIZING THE NETWORK-BASED INTERFACE
4336
ALLOWING THE ACCEPTANCE OF BIDS ON THE GOODS FROM THE USERS UTILIZING THE NETWORK
4338

FIG. 43A

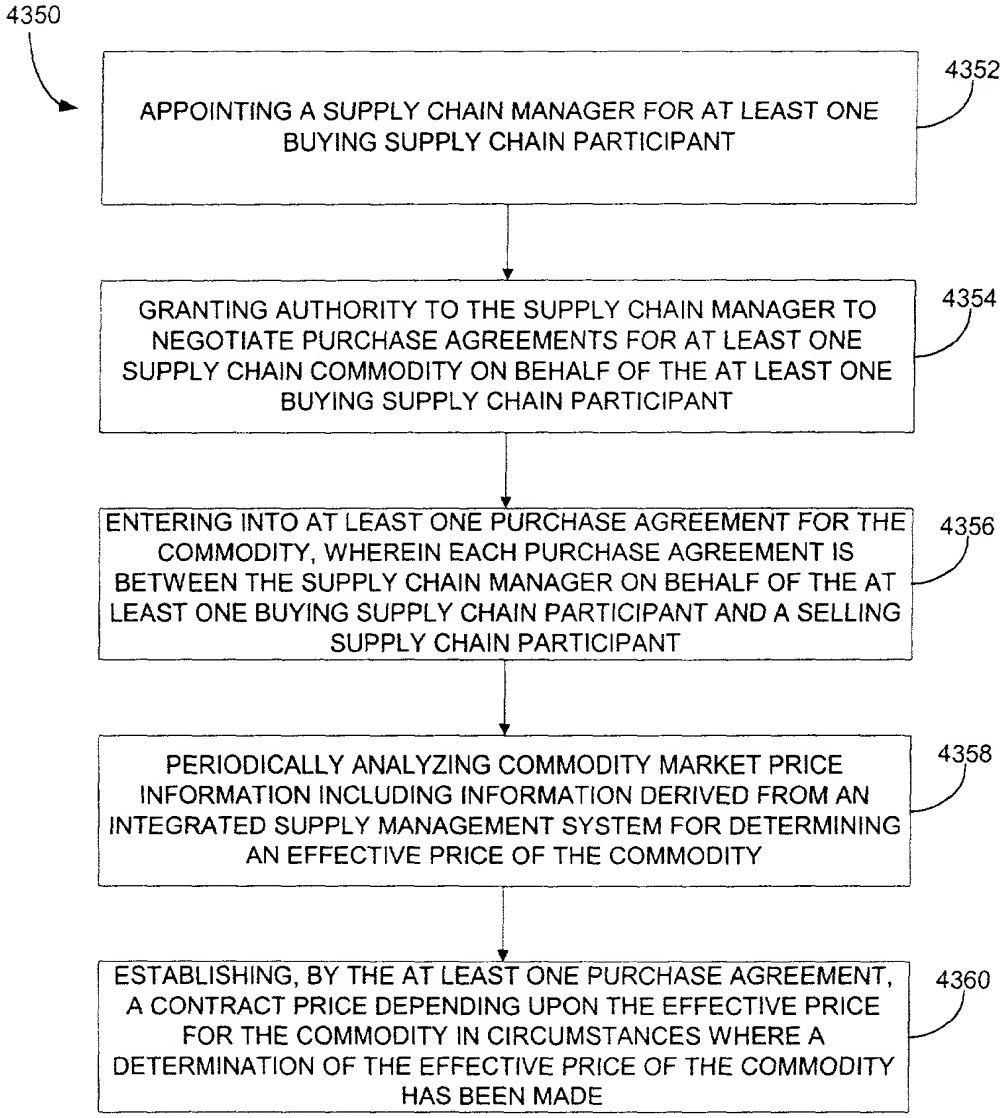

4350
APPOINTING A SUPPLY CHAIN MANAGER FOR AT LEAST ONE BUYING SUPPLY CHAIN PARTICIPANT
4352
GRANTING AUTHORITY TO THE SUPPLY CHAIN MANAGER TO NEGOTIATE PURCHASE AGREEMENTS FOR AT LEAST ONE SUPPLY CHAIN COMMODITY ON BEHALF OF THE AT LEAST ONE BUYING SUPPLY CHAIN PARTICIPANT
4354
ENTERING INTO AT LEAST ONE PURCHASE AGREEMENT FOR THE COMMODITY, WHEREIN EACH PURCHASE AGREEMENT IS BETWEEN THE SUPPLY CHAIN MANAGER ON BEHALF OF THE AT LEAST ONE BUYING SUPPLY CHAIN PARTICIPANT AND A SELLING SUPPLY CHAIN PARTICIPANT
4356
PERIODICALLY ANALYZING COMMODITY MARKET PRICE INFORMATION INCLUDING INFORMATION DERIVED FROM AN INTEGRATED SUPPLY MANAGEMENT SYSTEM FOR DETERMINING AN EFFECTIVE PRICE OF THE COMMODITY
4358
ESTABLISHING, BY THE AT LEAST ONE PURCHASE AGREEMENT, A CONTRACT PRICE DEPENDING UPON THE EFFECTIVE PRICE FOR THE COMMODITY IN CIRCUMSTANCES WHERE A DETERMINATION OF THE EFFECTIVE PRICE OF THE COMMODITY HAS BEEN MADE
4360

FIG. 43B

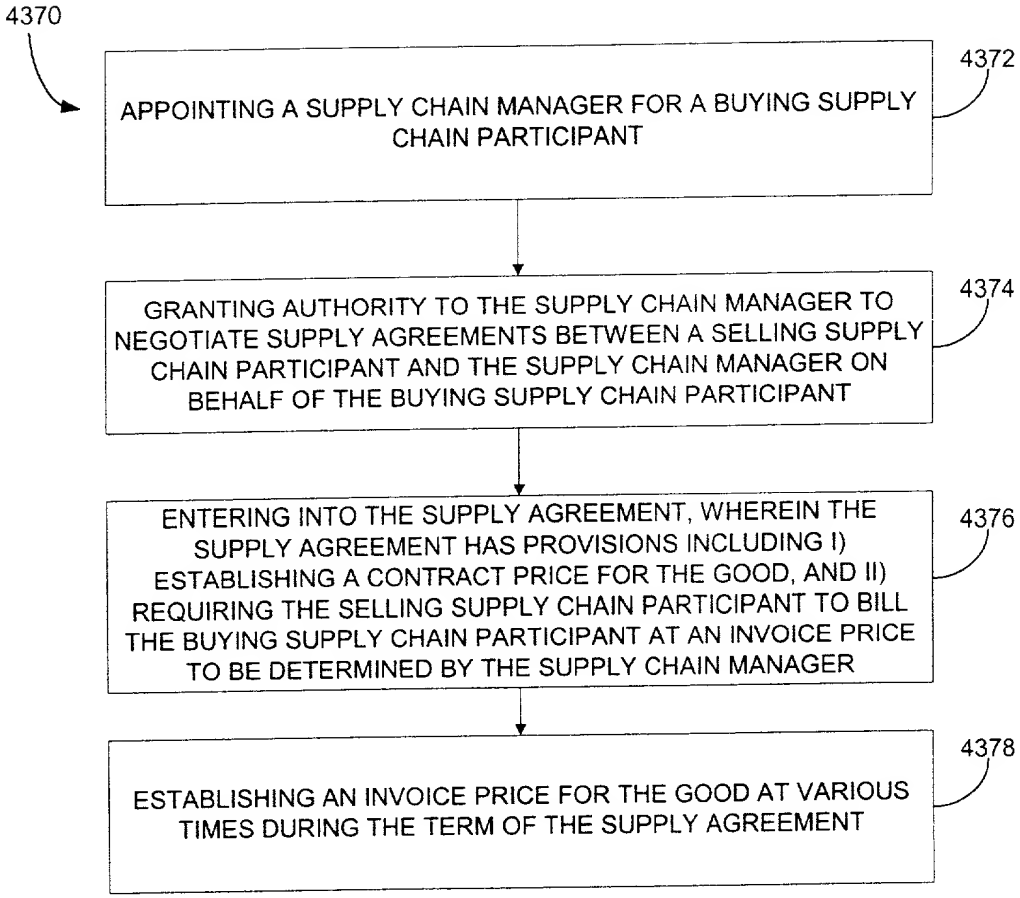

4370
APPOINTING A SUPPLY CHAIN MANAGER FOR A BUYING SUPPLY CHAIN PARTICIPANT
4372
GRANTING AUTHORITY TO THE SUPPLY CHAIN MANAGER TO NEGOTIATE SUPPLY AGREEMENTS BETWEEN A SELLING SUPPLY CHAIN PARTICIPANT AND THE SUPPLY CHAIN MANAGER ON BEHALF OF THE BUYING SUPPLY CHAIN PARTICIPANT
4374
ENTERING INTO THE SUPPLY AGREEMENT, WHEREIN THE SUPPLY AGREEMENT HAS PROVISIONS INCLUDING I) ESTABLISHING A CONTRACT PRICE FOR THE GOOD, AND II) REQUIRING THE SELLING SUPPLY CHAIN PARTICIPANT TO BILL THE BUYING SUPPLY CHAIN PARTICIPANT AT AN INVOICE PRICE TO BE DETERMINED BY THE SUPPLY CHAIN MANAGER
4376
ESTABLISHING AN INVOICE PRICE FOR THE GOOD AT VARIOUS TIMES DURING THE TERM OF THE SUPPLY AGREEMENT
4378

FIG. 43C

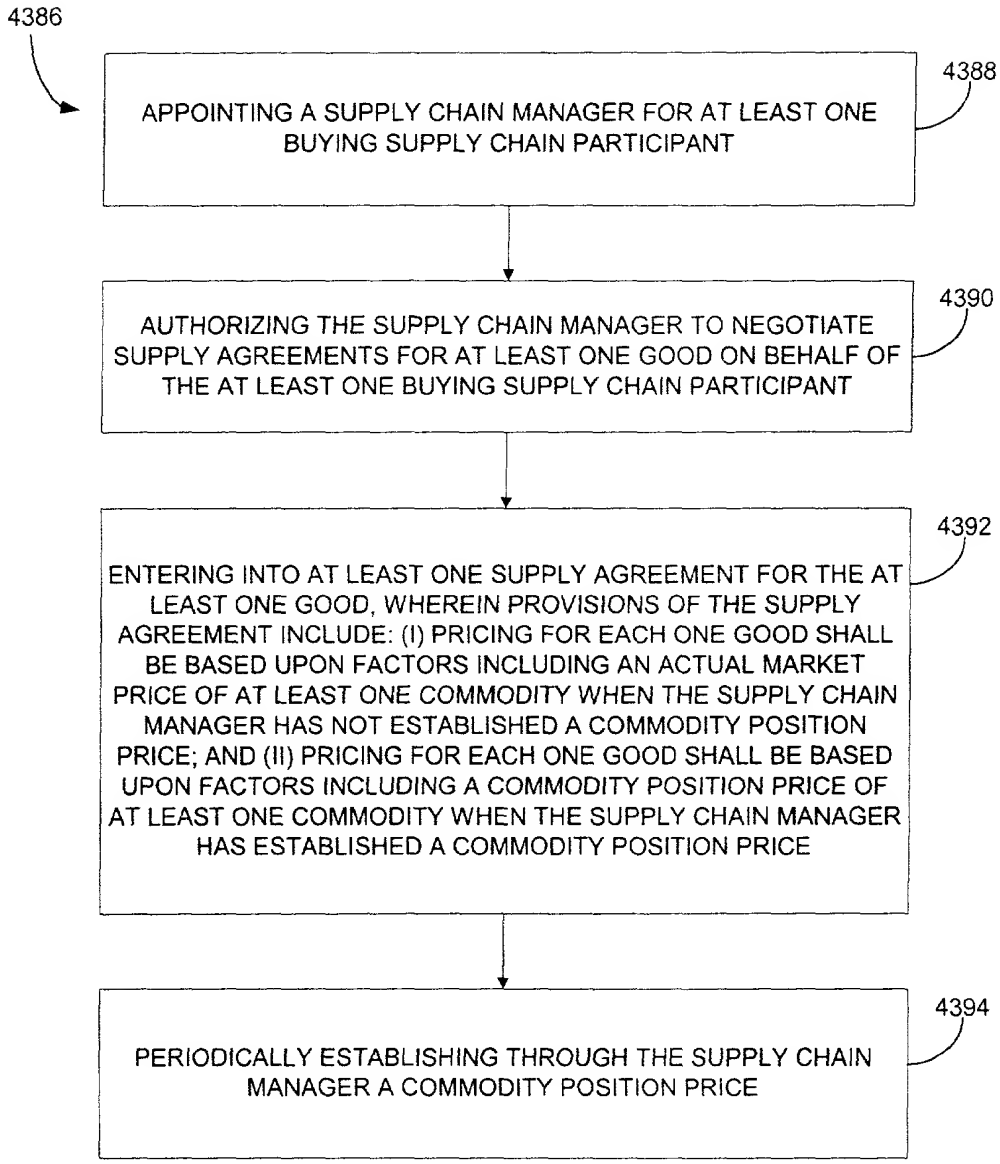


FIG. 43D

Patent Application Publication

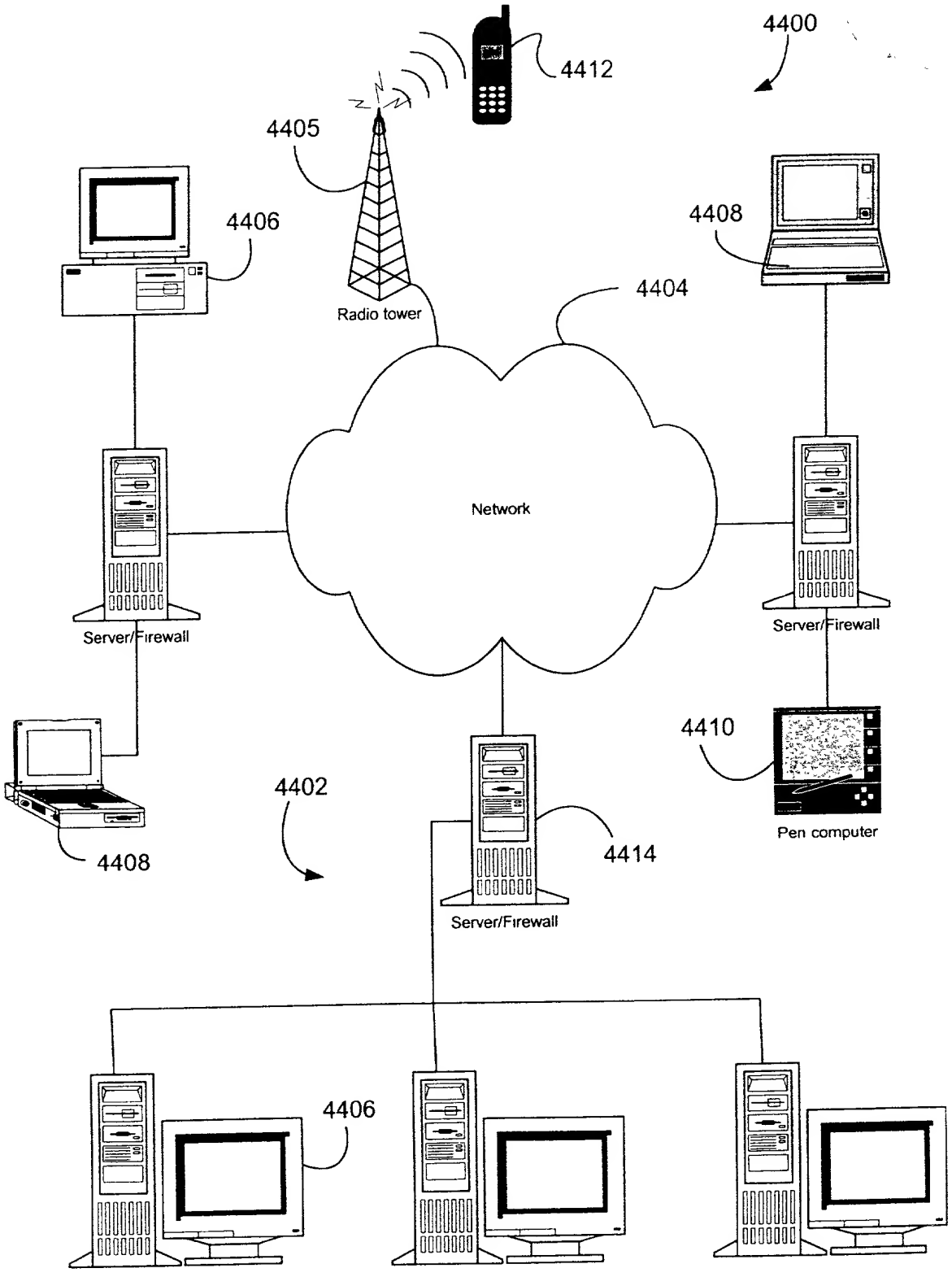

4400
4412
4405
4406
4408
Radio tower
4404
Network
Server/Firewall
Server/Firewall
4410
Pen computer
4408
4402
4414
Server/Firewall
4406

FIG. 44

FD8020 "2059360

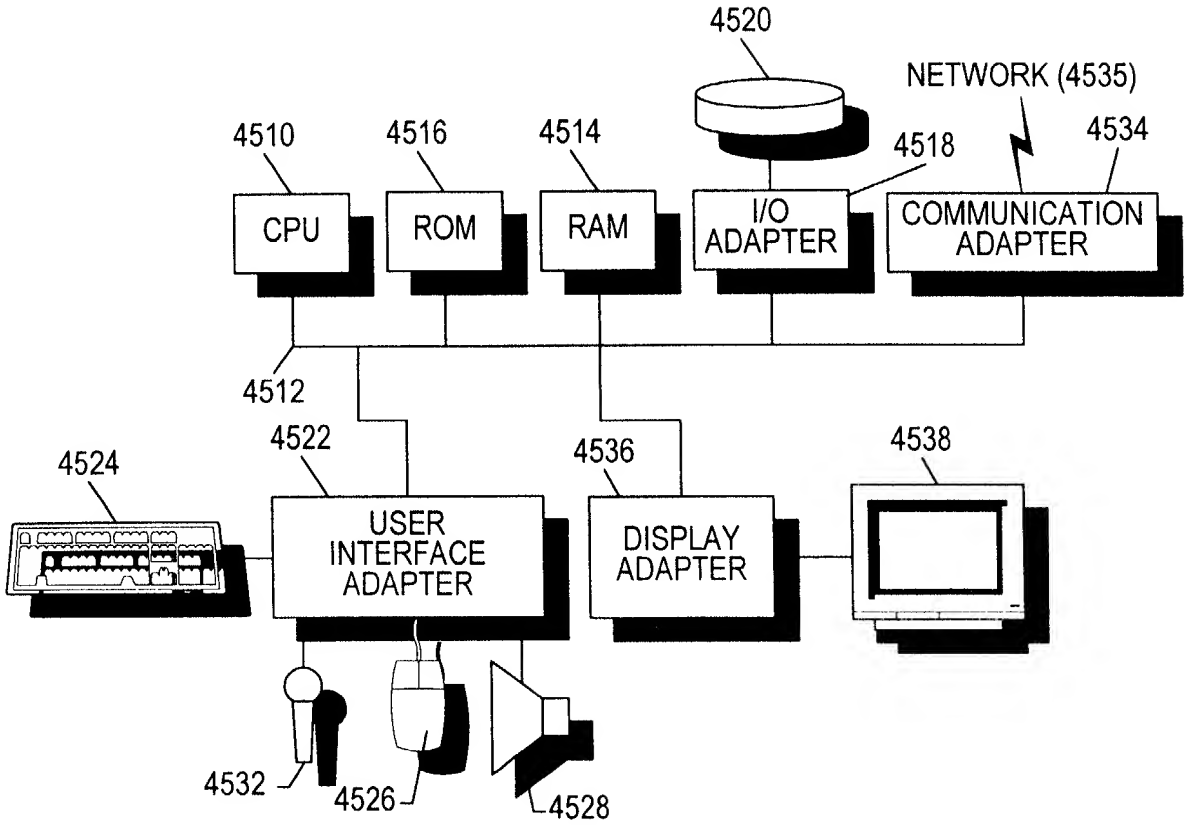


FIG. 45

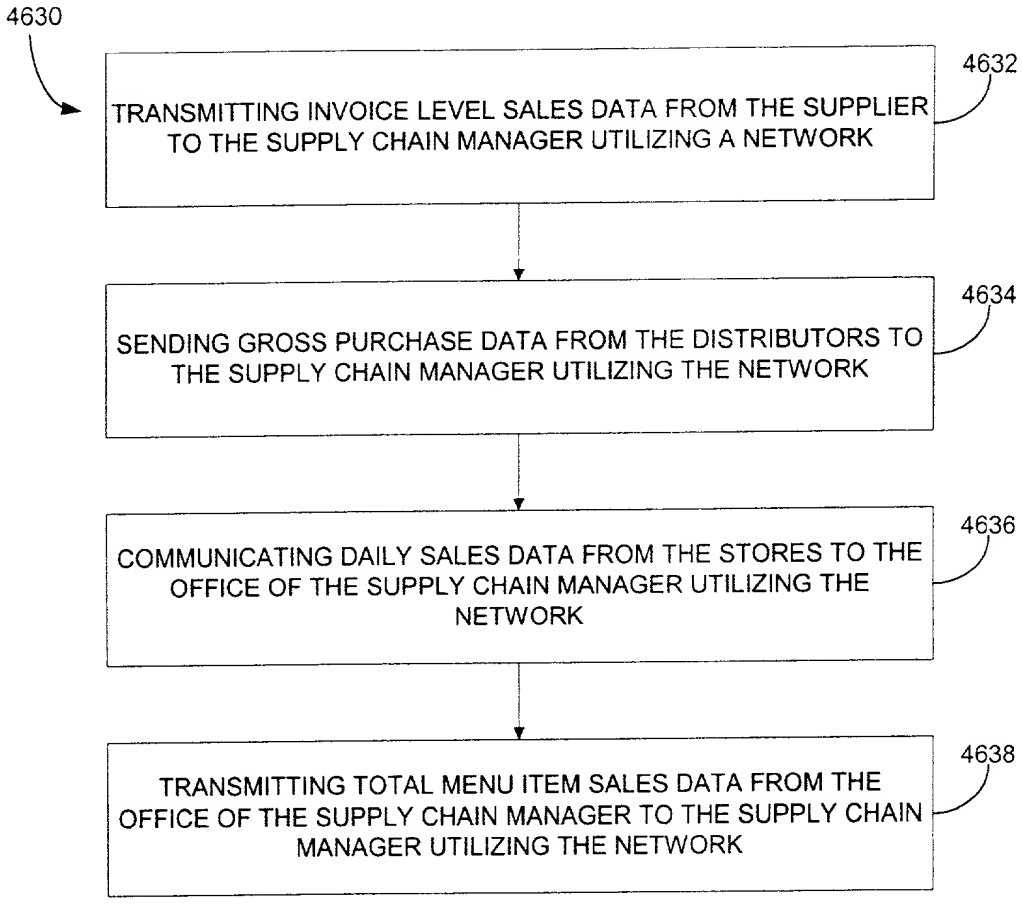

4630
TRANSMITTING INVOICE LEVEL SALES DATA FROM THE SUPPLIER TO THE SUPPLY CHAIN MANAGER UTILIZING A NETWORK
4632
SENDING GROSS PURCHASE DATA FROM THE DISTRIBUTORS TO THE SUPPLY CHAIN MANAGER UTILIZING THE NETWORK
4634
COMMUNICATING DAILY SALES DATA FROM THE STORES TO THE OFFICE OF THE SUPPLY CHAIN MANAGER UTILIZING THE NETWORK
4636
TRANSMITTING TOTAL MENU ITEM SALES DATA FROM THE OFFICE OF THE SUPPLY CHAIN MANAGER TO THE SUPPLY CHAIN MANAGER UTILIZING THE NETWORK
4638

FIG. 46

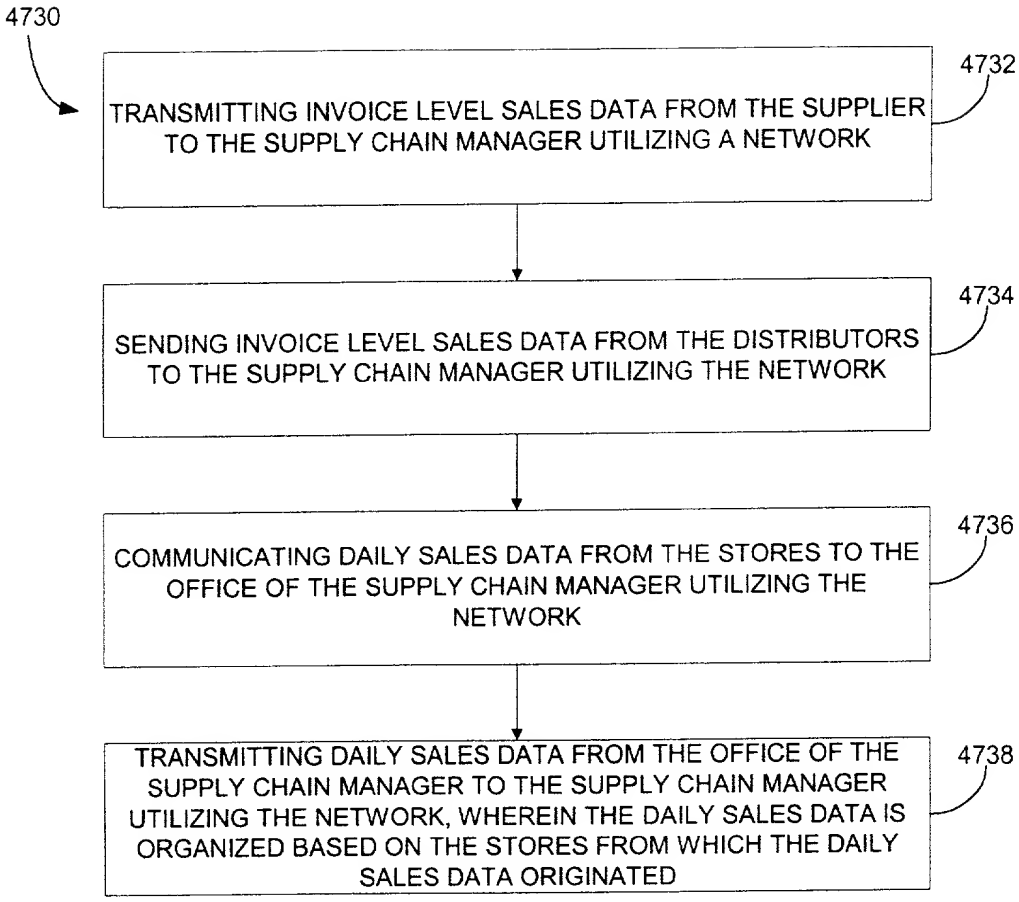

4730
TRANSMITTING INVOICE LEVEL SALES DATA FROM THE SUPPLIER TO THE SUPPLY CHAIN MANAGER UTILIZING A NETWORK
4732
SENDING INVOICE LEVEL SALES DATA FROM THE DISTRIBUTORS TO THE SUPPLY CHAIN MANAGER UTILIZING THE NETWORK
4734
COMMUNICATING DAILY SALES DATA FROM THE STORES TO THE OFFICE OF THE SUPPLY CHAIN MANAGER UTILIZING THE NETWORK
4736
TRANSMITTING DAILY SALES DATA FROM THE OFFICE OF THE SUPPLY CHAIN MANAGER TO THE SUPPLY CHAIN MANAGER UTILIZING THE NETWORK, WHEREIN THE DAILY SALES DATA IS ORGANIZED BASED ON THE STORES FROM WHICH THE DAILY SALES DATA ORIGINATED
4738

FIG. 47

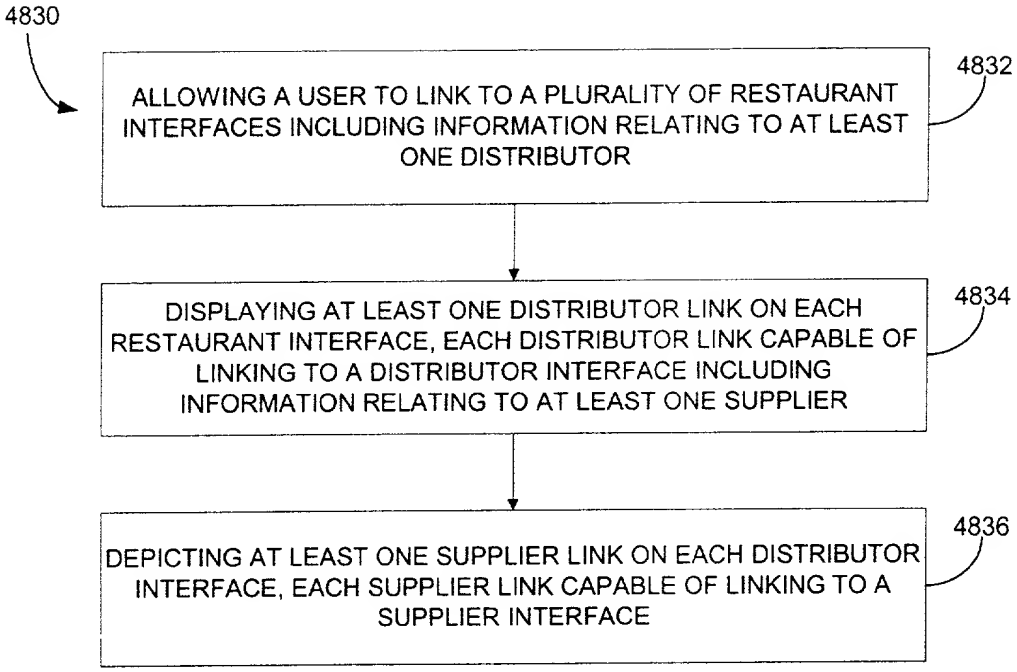

4830
ALLOWING A USER TO LINK TO A PLURALITY OF RESTAURANT INTERFACES INCLUDING INFORMATION RELATING TO AT LEAST ONE DISTRIBUTOR
4832
DISPLAYING AT LEAST ONE DISTRIBUTOR LINK ON EACH RESTAURANT INTERFACE, EACH DISTRIBUTOR LINK CAPABLE OF LINKING TO A DISTRIBUTOR INTERFACE INCLUDING INFORMATION RELATING TO AT LEAST ONE SUPPLIER
4834
DEPICTING AT LEAST ONE SUPPLIER LINK ON EACH DISTRIBUTOR INTERFACE, EACH SUPPLIER LINK CAPABLE OF LINKING TO A SUPPLIER INTERFACE
4836

FIG. 48

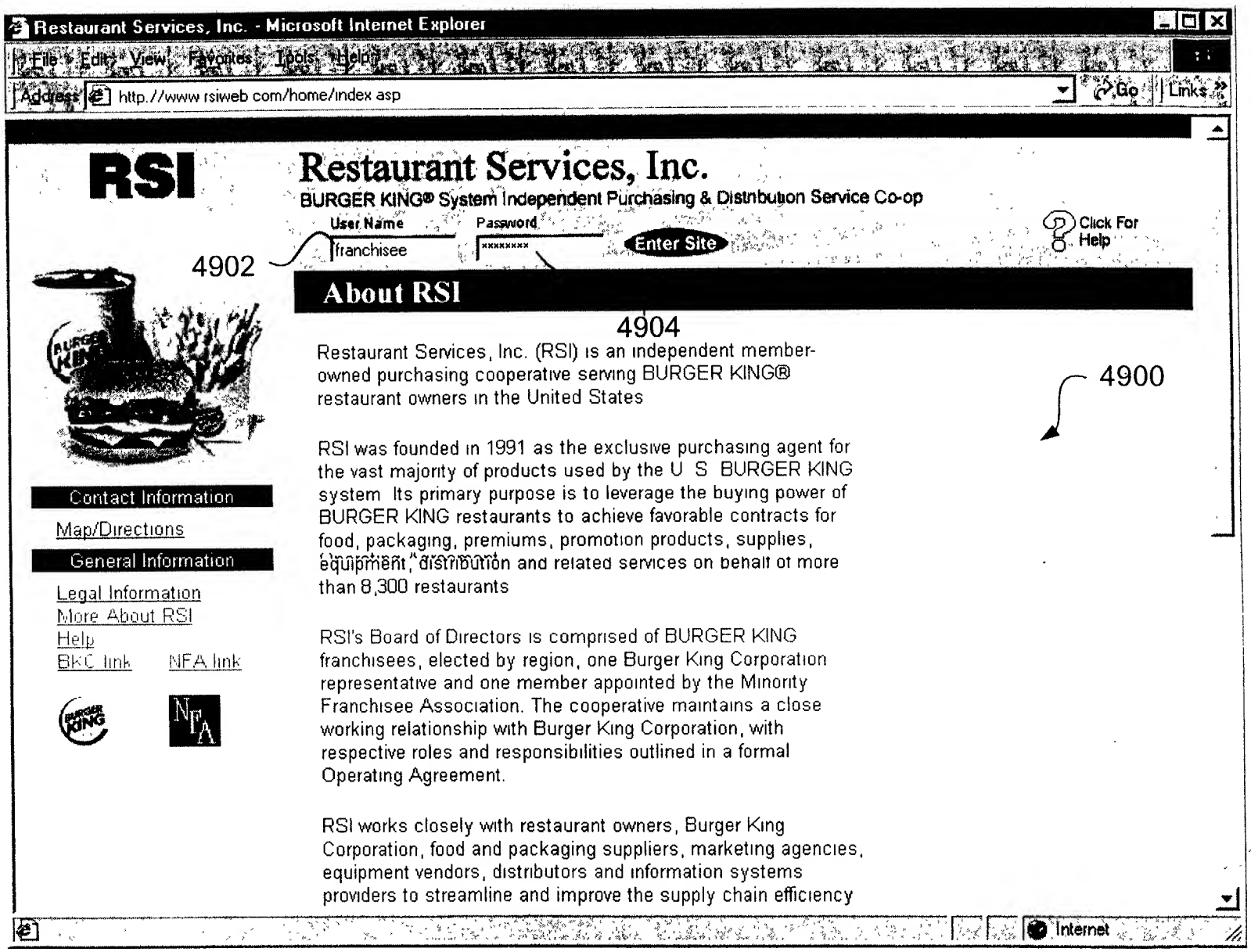

Restaurant Services, Inc. - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Address http://www.rsiweb.com/home/index.asp
Go
Links
RSI
Restaurant Services, Inc.
BURGER KING® System Independent Purchasing & Distribution Service Co-op
User Name
franchisee
Password
Enter Site
Click For Help
4902
4904
4900
About RSI
Contact Information
Map/Directions
General Information
Legal Information
More About RSI
Help
BKC link
NFA link
Restaurant Services, Inc. (RSI) is an independent member-owned purchasing cooperative serving BURGER KING® restaurant owners in the United States
RSI was founded in 1991 as the exclusive purchasing agent for the vast majority of products used by the U S BURGER KING system Its primary purpose is to leverage the buying power of BURGER KING restaurants to achieve favorable contracts for food, packaging, premiums, promotion products, supplies, equipment, distribution and related services on behalf of more than 8,300 restaurants
RSI's Board of Directors is comprised of BURGER KING franchisees, elected by region, one Burger King Corporation representative and one member appointed by the Minority Franchisee Association. The cooperative maintains a close working relationship with Burger King Corporation, with respective roles and responsibilities outlined in a formal Operating Agreement.
RSI works closely with restaurant owners, Burger King Corporation, food and packaging suppliers, marketing agencies, equipment vendors, distributors and information systems providers to streamline and improve the supply chain efficiency
Internet

FIG. 49

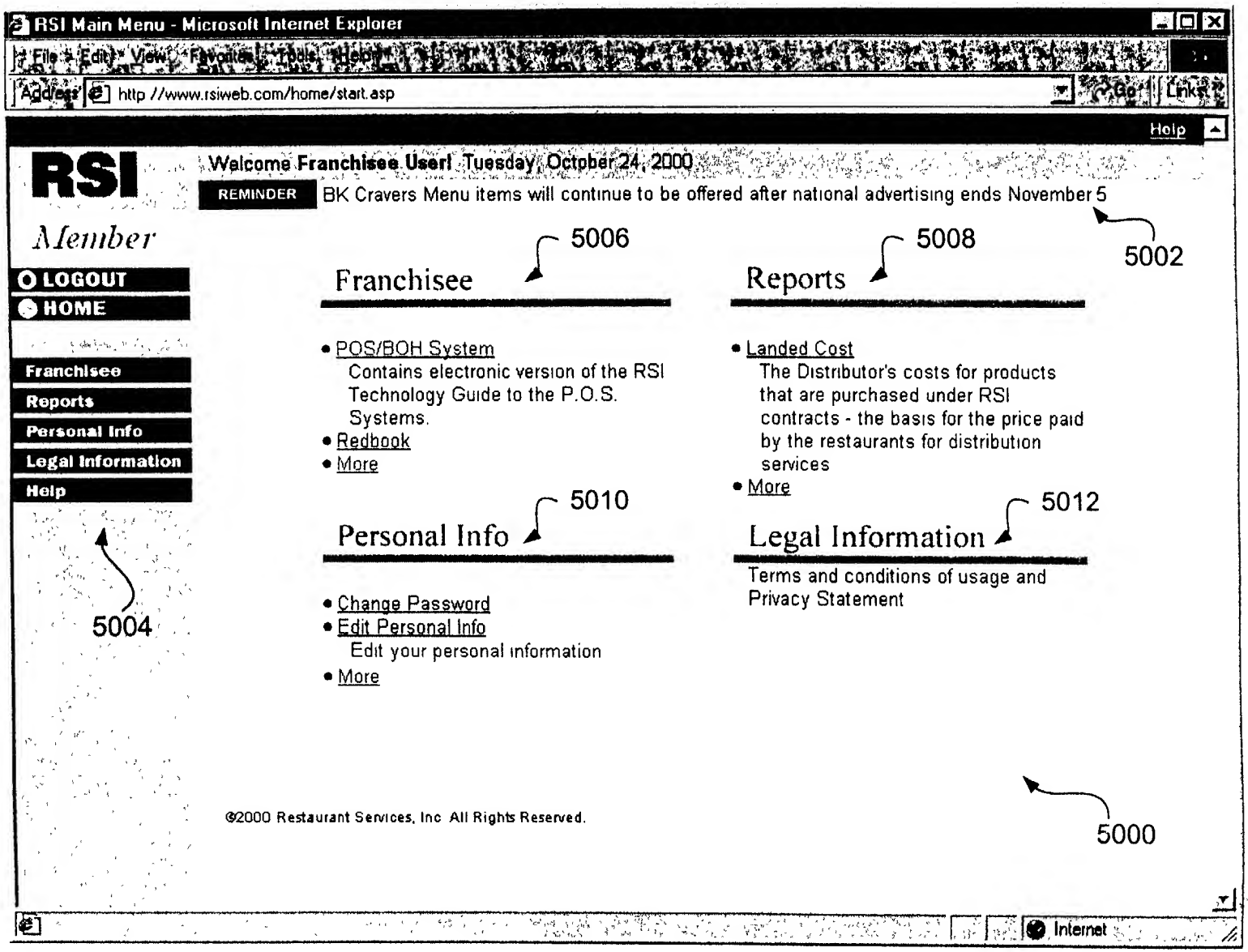

RSI Main Menu - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Address http //www.rsiweb.com/home/start.asp
Go Links
Help
RSI
Welcome Franchisee User! Tuesday, Octpber 24, 2000
REMINDER
BK Cravers Menu items will continue to be offered after national advertising ends November 5
5002
Member
LOGOUT
HOME
Franchisee
Reports
Personal Info
Legal Information
Help
5004
5006
Franchisee
• POS/BOH System
Contains electronic version of the RSI Technology Guide to the P.O.S. Systems.
• Redbook
• More
5008
Reports
• Landed Cost
The Distributor's costs for products that are purchased under RSI contracts - the basis for the price paid by the restaurants for distribution services
• More
5010
Personal Info
• Change Password
• Edit Personal Info
Edit your personal information
• More
5012
Legal Information
Terms and conditions of usage and Privacy Statement
©2000 Restaurant Services, Inc All Rights Reserved.
5000
Internet

FIG. 50

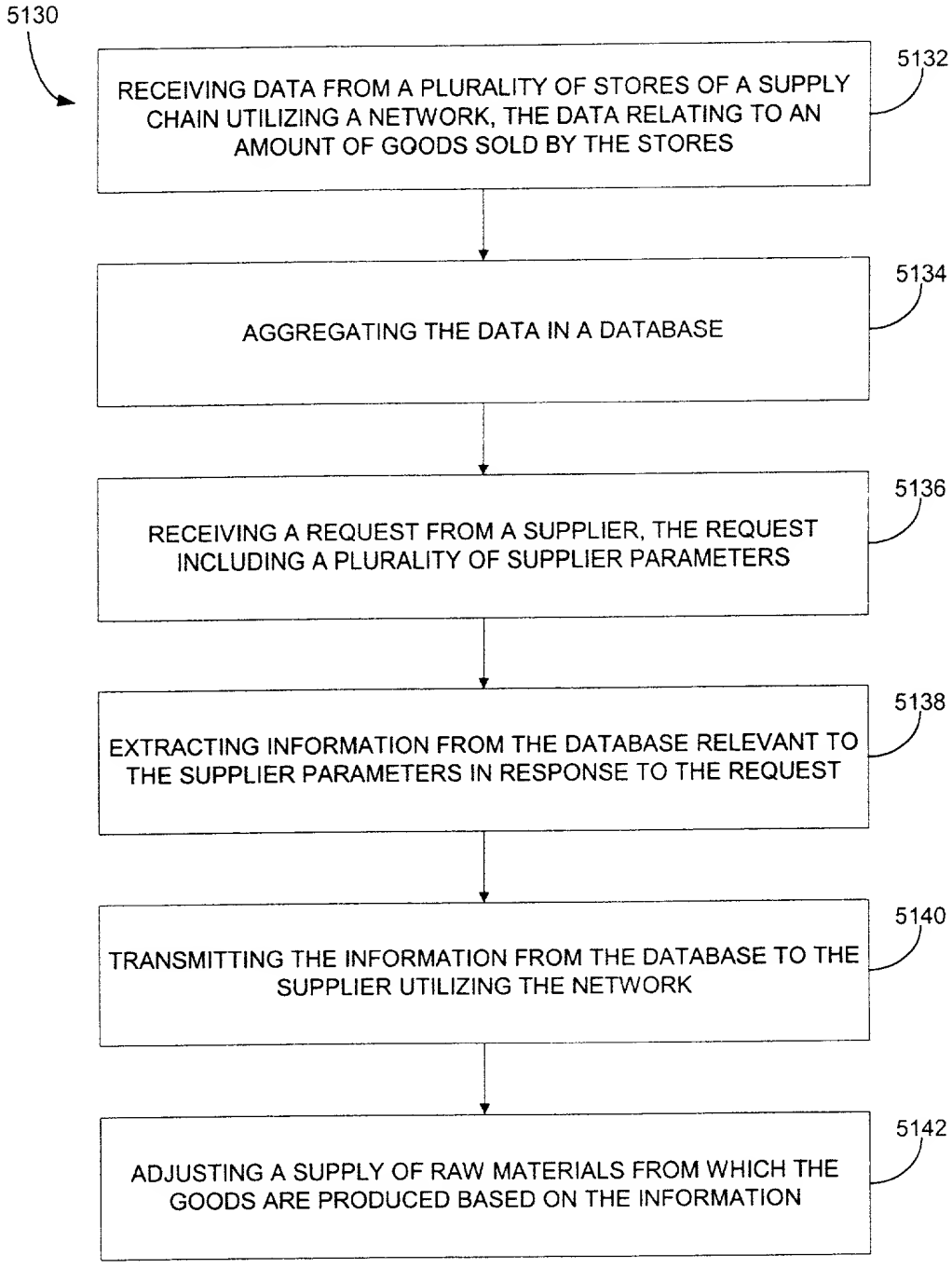

5130
RECEIVING DATA FROM A PLURALITY OF STORES OF A SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO AN AMOUNT OF GOODS SOLD BY THE STORES
5132
AGGREGATING THE DATA IN A DATABASE
5134
RECEIVING A REQUEST FROM A SUPPLIER, THE REQUEST INCLUDING A PLURALITY OF SUPPLIER PARAMETERS
5136
EXTRACTING INFORMATION FROM THE DATABASE RELEVANT TO THE SUPPLIER PARAMETERS IN RESPONSE TO THE REQUEST
5138
TRANSMITTING THE INFORMATION FROM THE DATABASE TO THE SUPPLIER UTILIZING THE NETWORK
5140
ADJUSTING A SUPPLY OF RAW MATERIALS FROM WHICH THE GOODS ARE PRODUCED BASED ON THE INFORMATION
5142

FIG. 51

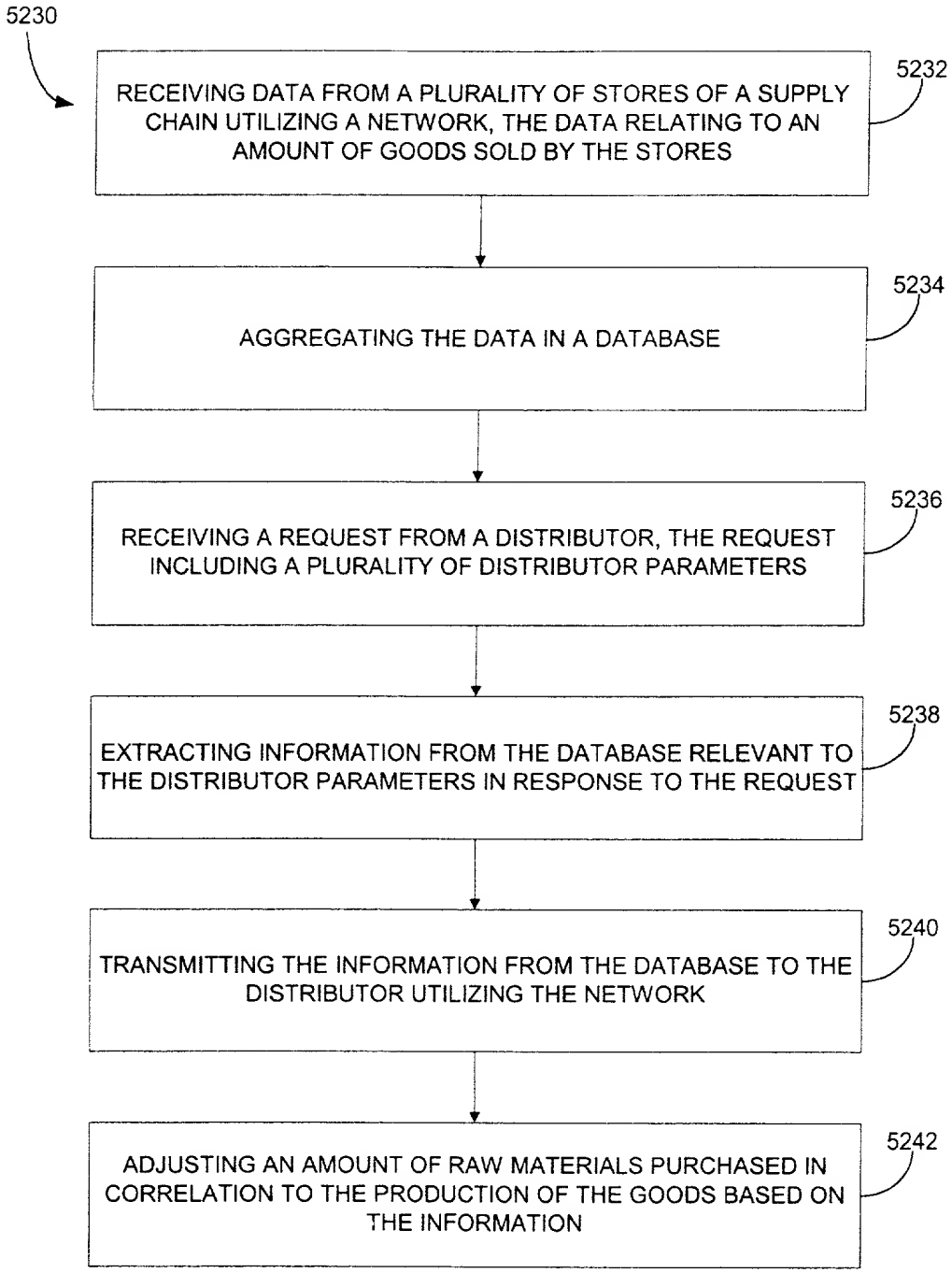
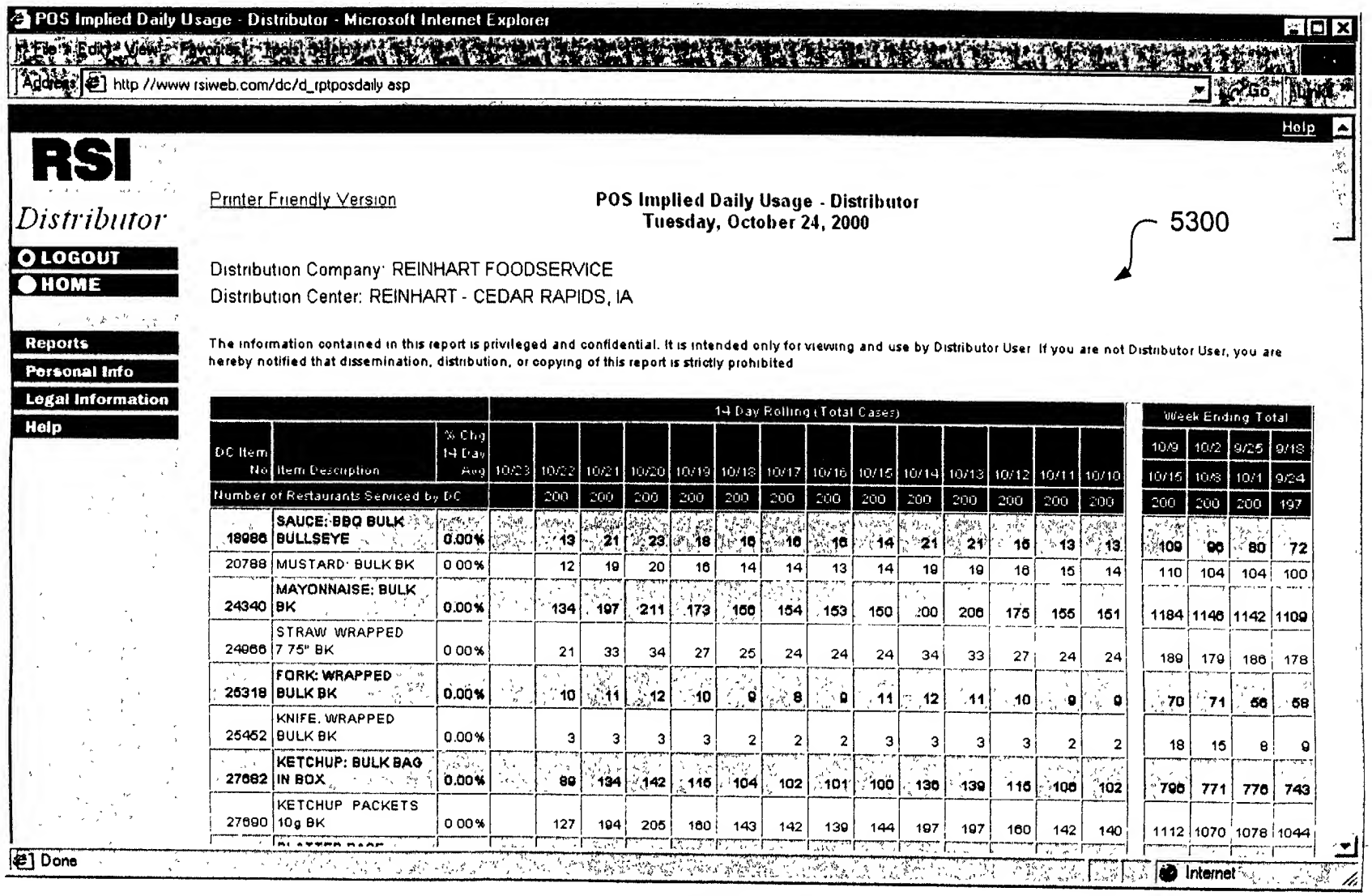

5230
RECEIVING DATA FROM A PLURALITY OF STORES OF A SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO AN AMOUNT OF GOODS SOLD BY THE STORES
5232
AGGREGATING THE DATA IN A DATABASE
5234
RECEIVING A REQUEST FROM A DISTRIBUTOR, THE REQUEST INCLUDING A PLURALITY OF DISTRIBUTOR PARAMETERS
5236
EXTRACTING INFORMATION FROM THE DATABASE RELEVANT TO THE DISTRIBUTOR PARAMETERS IN RESPONSE TO THE REQUEST
5238
TRANSMITTING THE INFORMATION FROM THE DATABASE TO THE DISTRIBUTOR UTILIZING THE NETWORK
5240
ADJUSTING AN AMOUNT OF RAW MATERIALS PURCHASED IN CORRELATION TO THE PRODUCTION OF THE GOODS BASED ON THE INFORMATION
5242

FIG. 52



DC Item No	Item Description	% Chg 14 Day Avg	14 Day Rolling (Total Cases)														Week Ending Total			
			10/23	10/22	10/21	10/20	10/19	10/18	10/17	10/16	10/15	10/14	10/13	10/12	10/11	10/10	10/9 - 10/15	10/2 - 10/8	9/25 - 10/1	9/18 - 9/24
Number of Restaurants Serviced by DC				200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	197
18986	SAUCE: BBQ BULK BULLSEYE	0.00%		13	21	23	16	16	16	16	14	21	21	16	13	13	109	96	80	72
20788	MUSTARD: BULK BK	0.00%		12	19	20	16	14	14	13	14	19	19	16	15	14	110	104	104	100
24340	MAYONNAISE: BULK BK	0.00%		134	197	211	173	160	154	153	150	200	206	175	155	151	1184	1146	1142	1109
24966	STRAW WRAPPED 7 75" BK	0.00%		21	33	34	27	25	24	24	24	34	33	27	24	24	189	179	186	178
25318	FORK: WRAPPED BULK BK	0.00%		10	11	12	10	9	8	9	11	12	11	10	9	9	70	71	66	68
25452	KNIFE: WRAPPED BULK BK	0.00%		3	3	3	3	2	2	2	3	3	3	3	2	2	18	15	8	9
27682	KETCHUP: BULK BAG IN BOX	0.00%		89	134	142	116	104	102	101	100	136	139	116	106	102	796	771	776	743
27690	KETCHUP PACKETS 10g BK	0.00%		127	194	205	160	143	142	139	144	197	197	160	142	140	1112	1070	1078	1044

FIG. 53

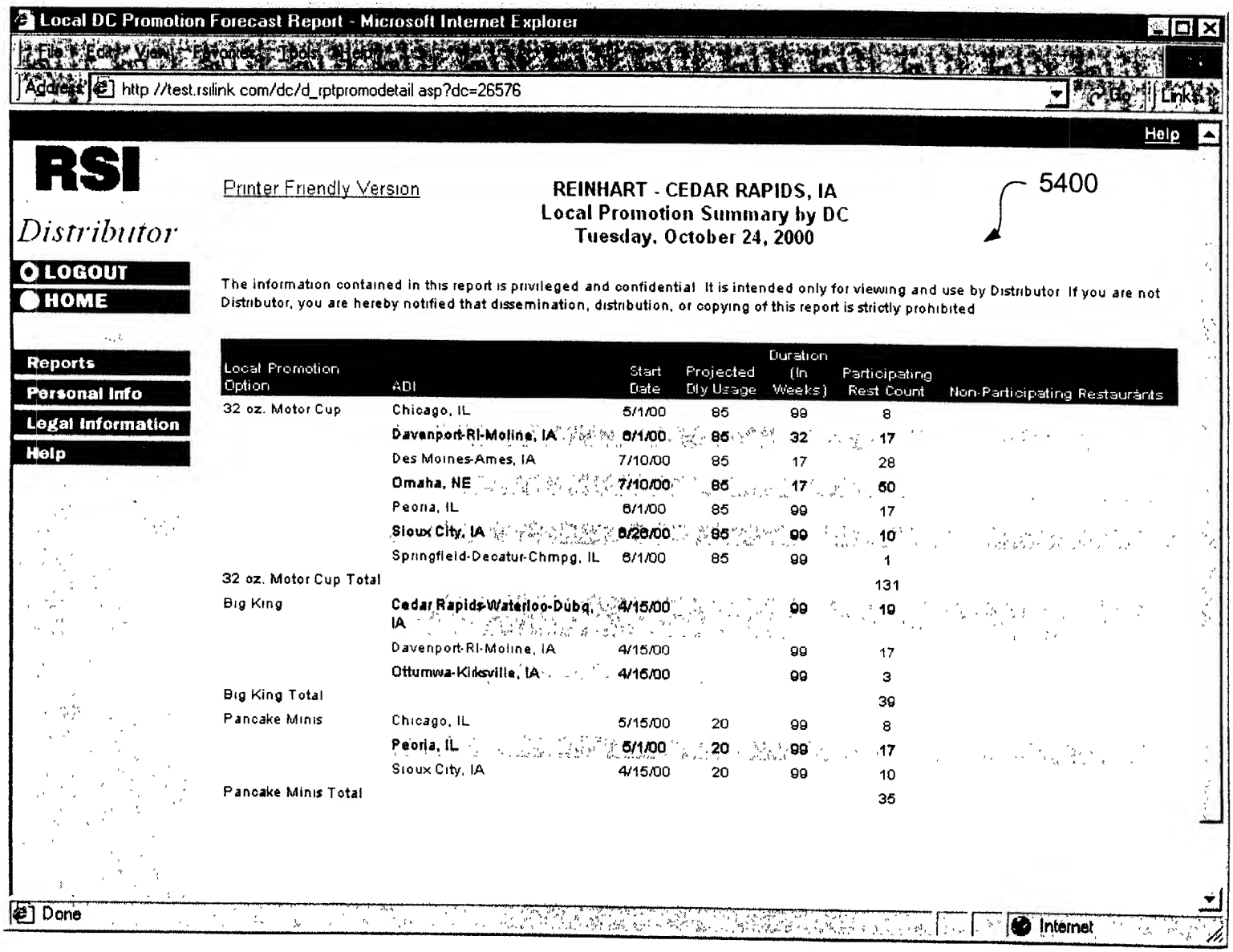
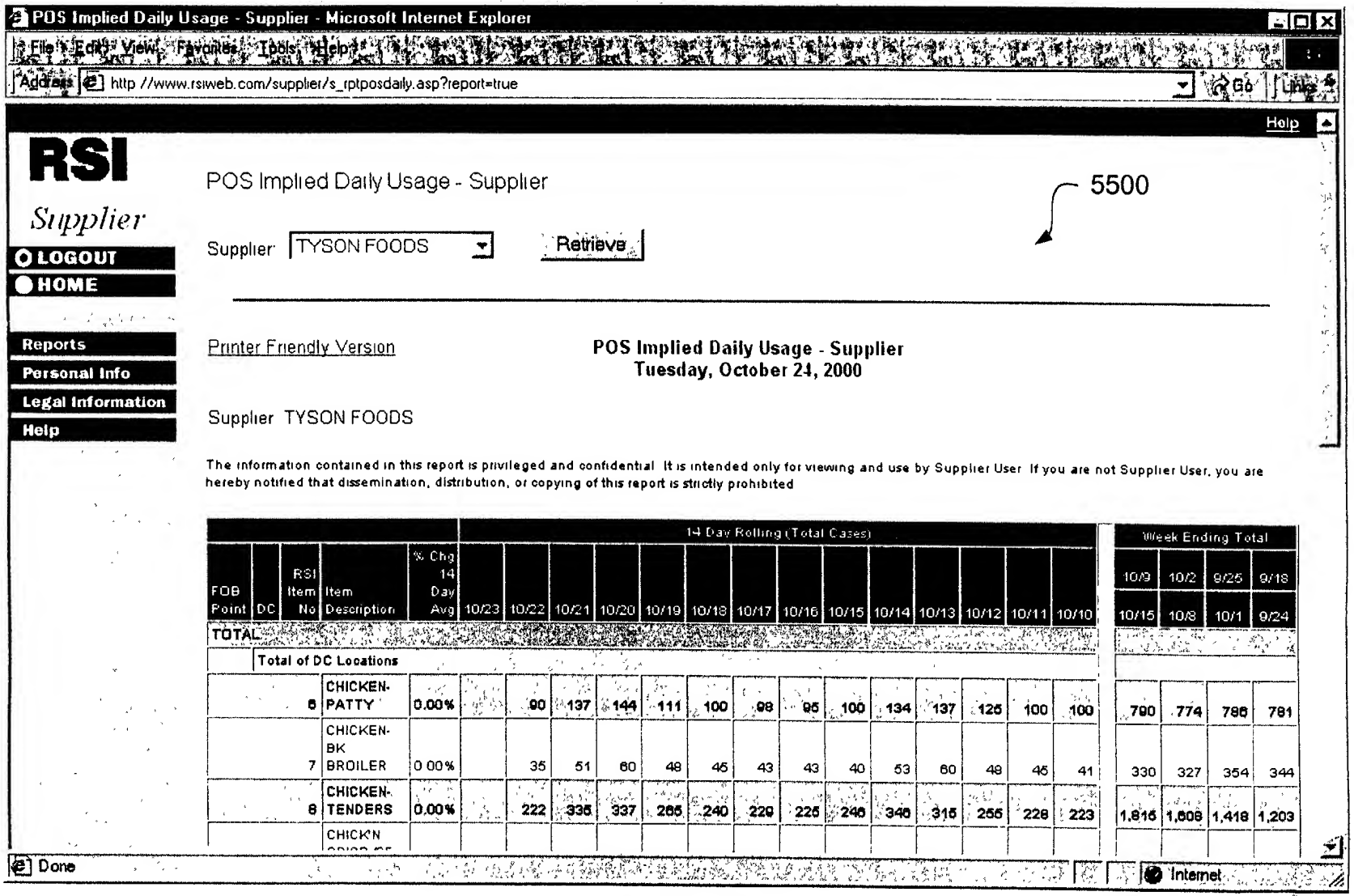

Local DC Promotion Forecast Report - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Address http //test.rsilink com/dc/d_rptpromodetail asp?dc=26576
Links
Help
RSI
Distributor
LOGOUT
HOME
Reports
Personal Info
Legal Information
Help
Printer Friendly Version
REINHART - CEDAR RAPIDS, IA
Local Promotion Summary by DC
Tuesday, October 24, 2000
5400
The information contained in this report is privileged and confidential It is intended only for viewing and use by Distributor If you are not Distributor, you are hereby notified that dissemination, distribution, or copying of this report is strictly prohibited
Local Promotion Option
ADI
Start Date
Projected Dly Usage
Duration (In Weeks)
Participating Rest Count
Non-Participating Restaurants
32 oz. Motor Cup
Chicago, IL 5/1/00 85 99 8
Davenport-Rl-Moline, IA 6/1/00 85 32 17
Des Moines-Ames, IA 7/10/00 85 17 28
Omaha, NE 7/10/00 85 17 50
Peoria, IL 6/1/00 85 99 17
Sioux City, IA 6/26/00 85 99 10
Springfield-Decatur-Chmpg, IL 6/1/00 85 99 1
32 oz. Motor Cup Total 131
Big King
Cedar Rapids-Waterloo-Dubq, IA 4/15/00 99 19
Davenport-Rl-Moline, IA 4/15/00 99 17
Ottumwa-Kirksville, IA 4/15/00 99 3
Big King Total 39
Pancake Minis
Chicago, IL 5/15/00 20 99 8
Peoria, IL 5/1/00 20 99 17
Sioux City, IA 4/15/00 20 99 10
Pancake Minis Total 35
Done
Internet

FIG. 54


POS Implied Daily Usage - Supplier - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Address http //www.rsiweb.com/supplier/s_rptposdaily.asp?report=true
Go
Links
Help
RSI
Supplier
LOGOUT
HOME
Reports
Personal Info
Legal Information
Help
POS Implied Daily Usage - Supplier
5500
Supplier TYSON FOODS
Retrieve
Printer Friendly Version
POS Implied Daily Usage - Supplier
Tuesday, October 24, 2000
Supplier TYSON FOODS
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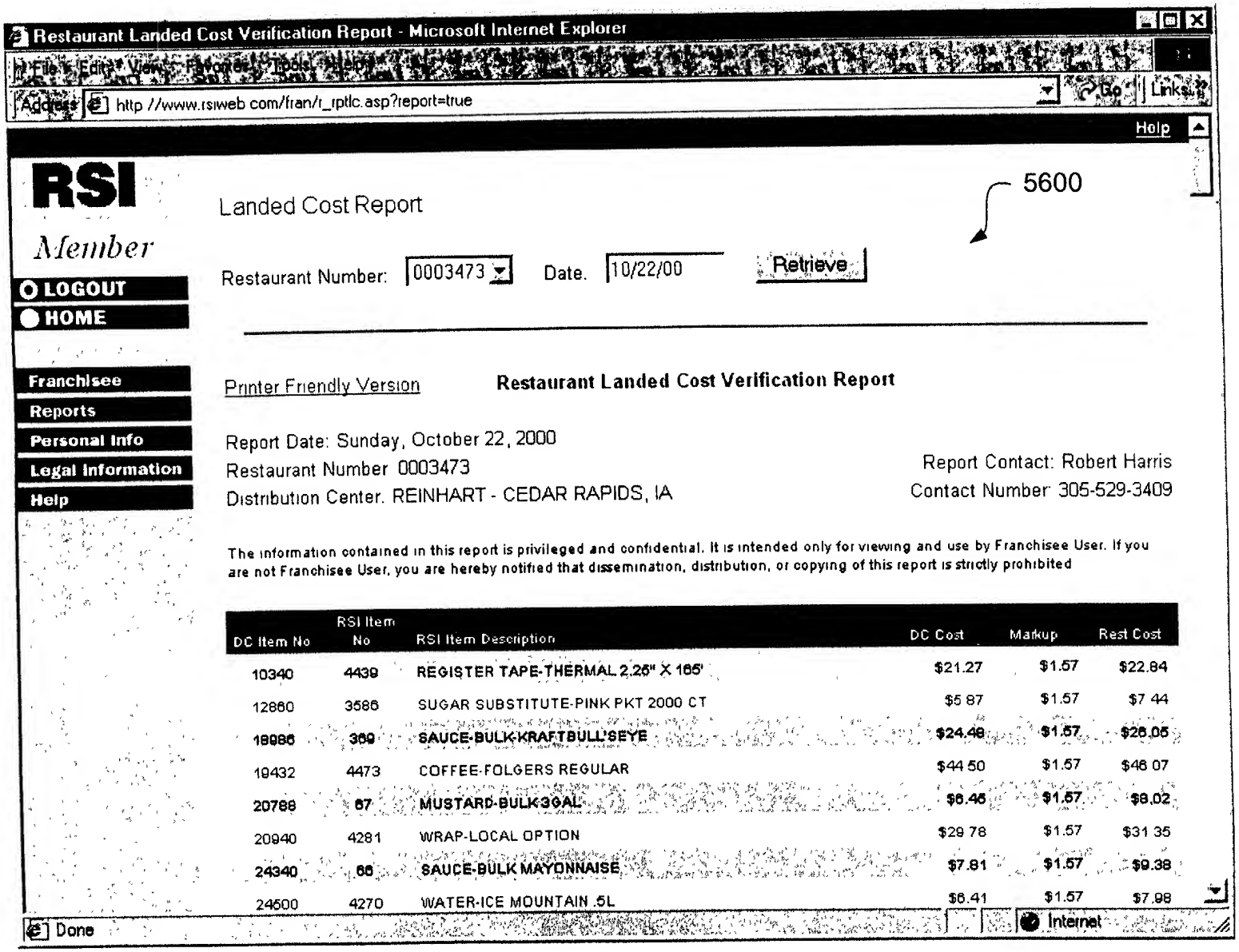
14 Day Rolling (Total Cases)
Week Ending Total
FOB Point
DC
RSI Item No
Item Description
% Chg 14 Day Avg
10/23 10/22 10/21 10/20 10/19 10/18 10/17 10/16 10/15 10/14 10/13 10/12 10/11 10/10
10/9 10/2 9/25 9/18
10/15 10/8 10/1 9/24
TOTAL
Total of DC Locations
6 CHICKEN-PATTY 0.00% 90 137 144 111 100 98 95 100 134 137 125 100 100 790 774 786 781
7 CHICKEN-BK BROILER 0 00% 35 51 60 48 45 43 43 40 53 60 48 46 41 330 327 354 344
8 CHICKEN-TENDERS 0.00% 222 336 337 285 240 229 225 246 346 315 255 228 223 1,816 1,508 1,418 1,203
CHICK'N
Done
Internet

FIG. 55


Restaurant Landed Cost Verification Report - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Address http //www.rsiweb com/fran/r_rptlc.asp?report=true
Go
Links
Help
RSI
Member
LOGOUT
HOME
Franchisee
Reports
Personal Info
Legal Information
Help
Landed Cost Report
5600
Restaurant Number: 0003473
Date. 10/22/00
Retrieve
Printer Friendly Version
Restaurant Landed Cost Verification Report
Report Date: Sunday, October 22, 2000
Restaurant Number 0003473
Distribution Center. REINHART - CEDAR RAPIDS, IA
Report Contact: Robert Harris
Contact Number: 305-529-3409
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DC Item No | RSI Item No | RSI Item Description | DC Cost | Markup | Rest Cost
10340 | 4439 | REGISTER TAPE-THERMAL 2.25" X 165' | $21.27 | $1.57 | $22.84
12860 | 3586 | SUGAR SUBSTITUTE-PINK PKT 2000 CT | $5 87 | $1.57 | $7 44
19986 | 369 | SAUCE-BULK-KRAFTBULL'SEYE | $24.48 | $1.57 | $26.05
19432 | 4473 | COFFEE-FOLGERS REGULAR | $44 50 | $1.57 | $46 07
20788 | 67 | MUSTARD-BULK30AL | $6.46 | $1.57 | $8.02
20940 | 4281 | WRAP-LOCAL OPTION | $29 78 | $1.57 | $31 35
24340 | 66 | SAUCE-BULK MAYONNAISE | $7.81 | $1.57 | $9.38
24500 | 4270 | WATER-ICE MOUNTAIN .5L | $6.41 | $1.57 | $7.98
Done
Internet

FIG. 56

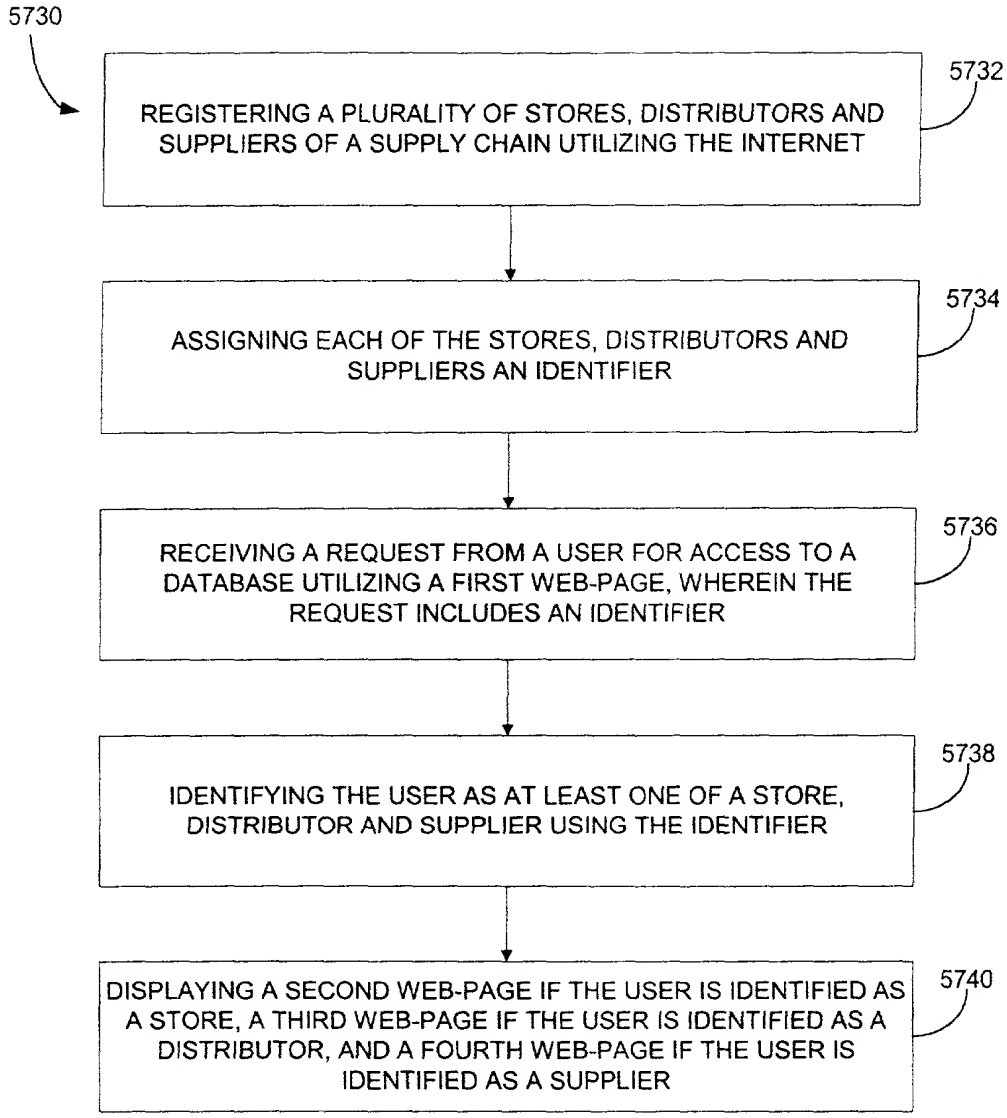
5730
REGISTERING A PLURALITY OF STORES, DISTRIBUTORS AND SUPPLIERS OF A SUPPLY CHAIN UTILIZING THE INTERNET
5732
ASSIGNING EACH OF THE STORES, DISTRIBUTORS AND SUPPLIERS AN IDENTIFIER
5734
RECEIVING A REQUEST FROM A USER FOR ACCESS TO A DATABASE UTILIZING A FIRST WEB-PAGE, WHEREIN THE REQUEST INCLUDES AN IDENTIFIER
5736
IDENTIFYING THE USER AS AT LEAST ONE OF A STORE, DISTRIBUTOR AND SUPPLIER USING THE IDENTIFIER
5738
DISPLAYING A SECOND WEB-PAGE IF THE USER IS IDENTIFIED AS A STORE, A THIRD WEB-PAGE IF THE USER IS IDENTIFIED AS A DISTRIBUTOR, AND A FOURTH WEB-PAGE IF THE USER IS IDENTIFIED AS A SUPPLIER
5740

FIG. 57

T0330/0" 20991860

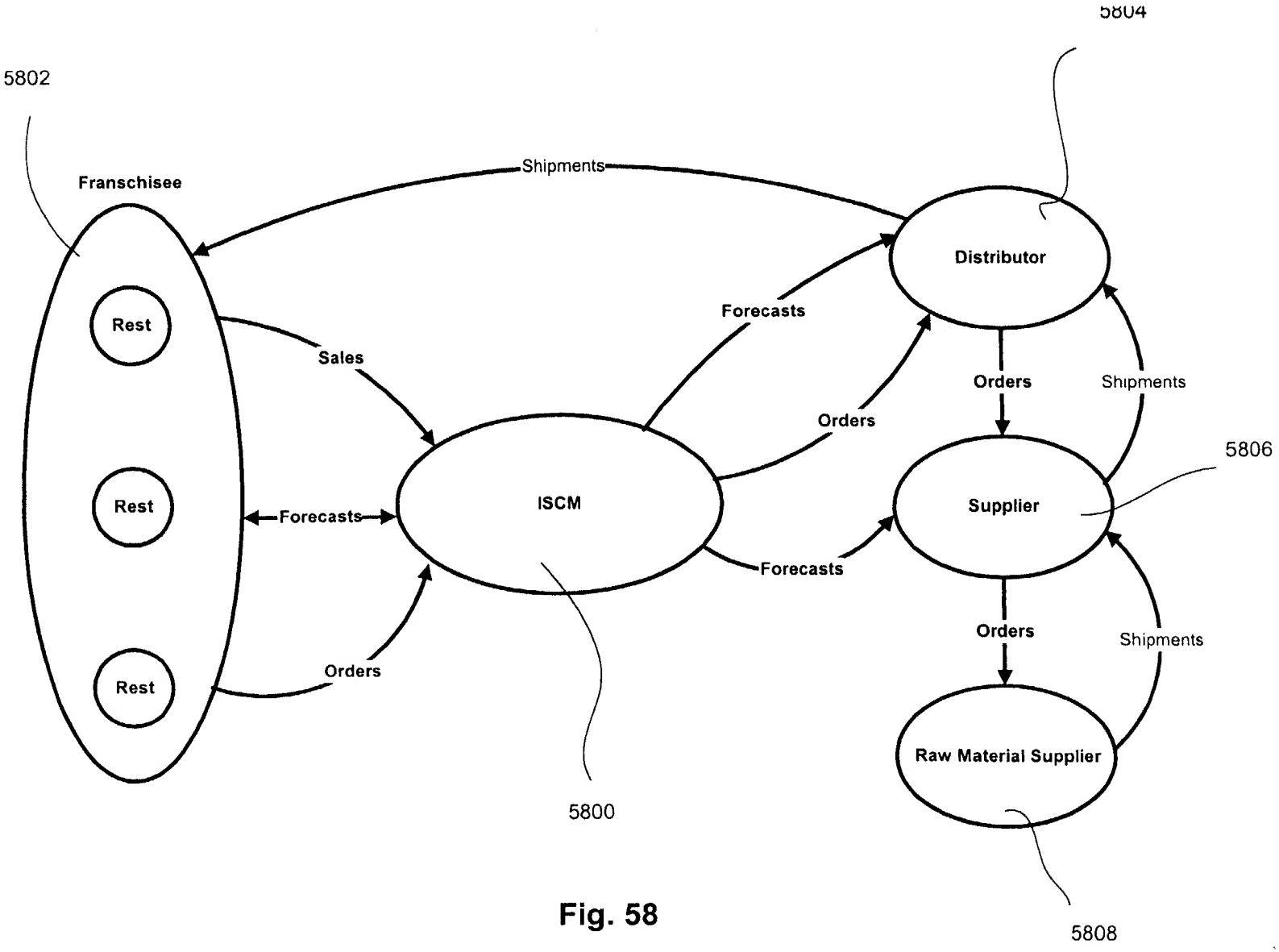

Fig. 58

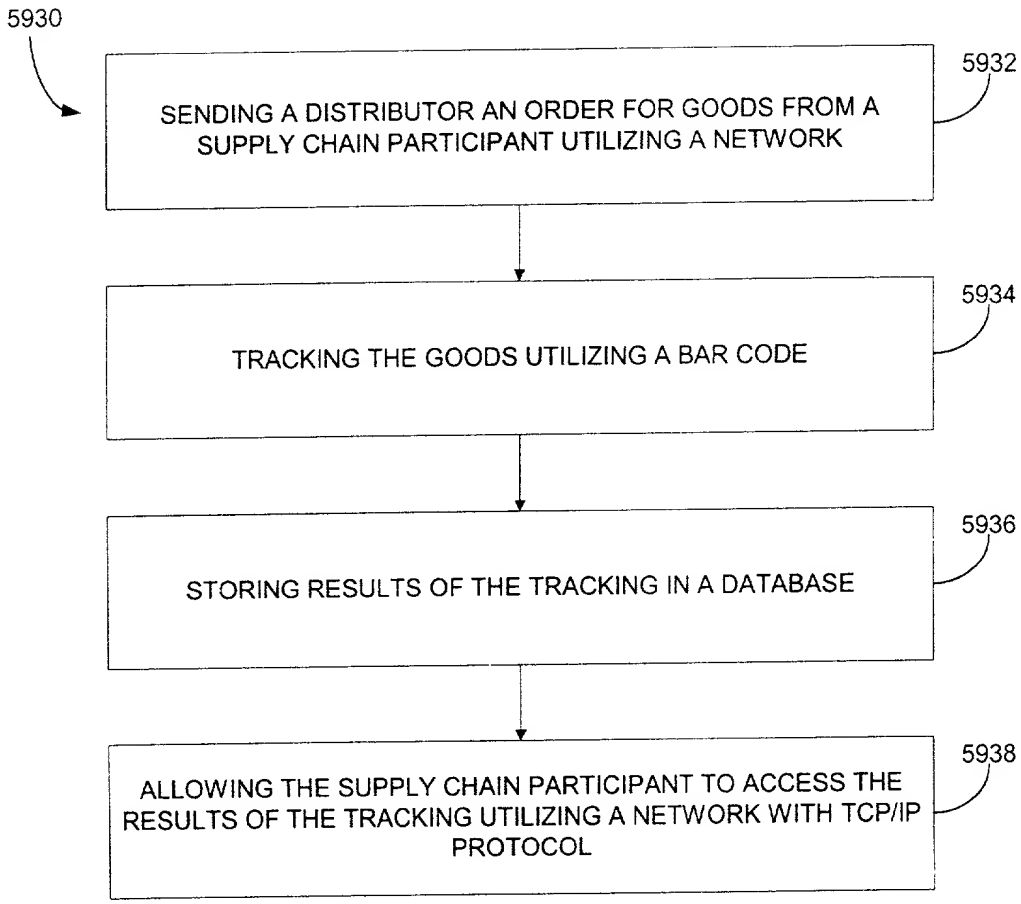
5930
SENDING A DISTRIBUTOR AN ORDER FOR GOODS FROM A SUPPLY CHAIN PARTICIPANT UTILIZING A NETWORK
5932
TRACKING THE GOODS UTILIZING A BAR CODE
5934
STORING RESULTS OF THE TRACKING IN A DATABASE
5936
ALLOWING THE SUPPLY CHAIN PARTICIPANT TO ACCESS THE RESULTS OF THE TRACKING UTILIZING A NETWORK WITH TCP/IP PROTOCOL
5938

FIG. 59

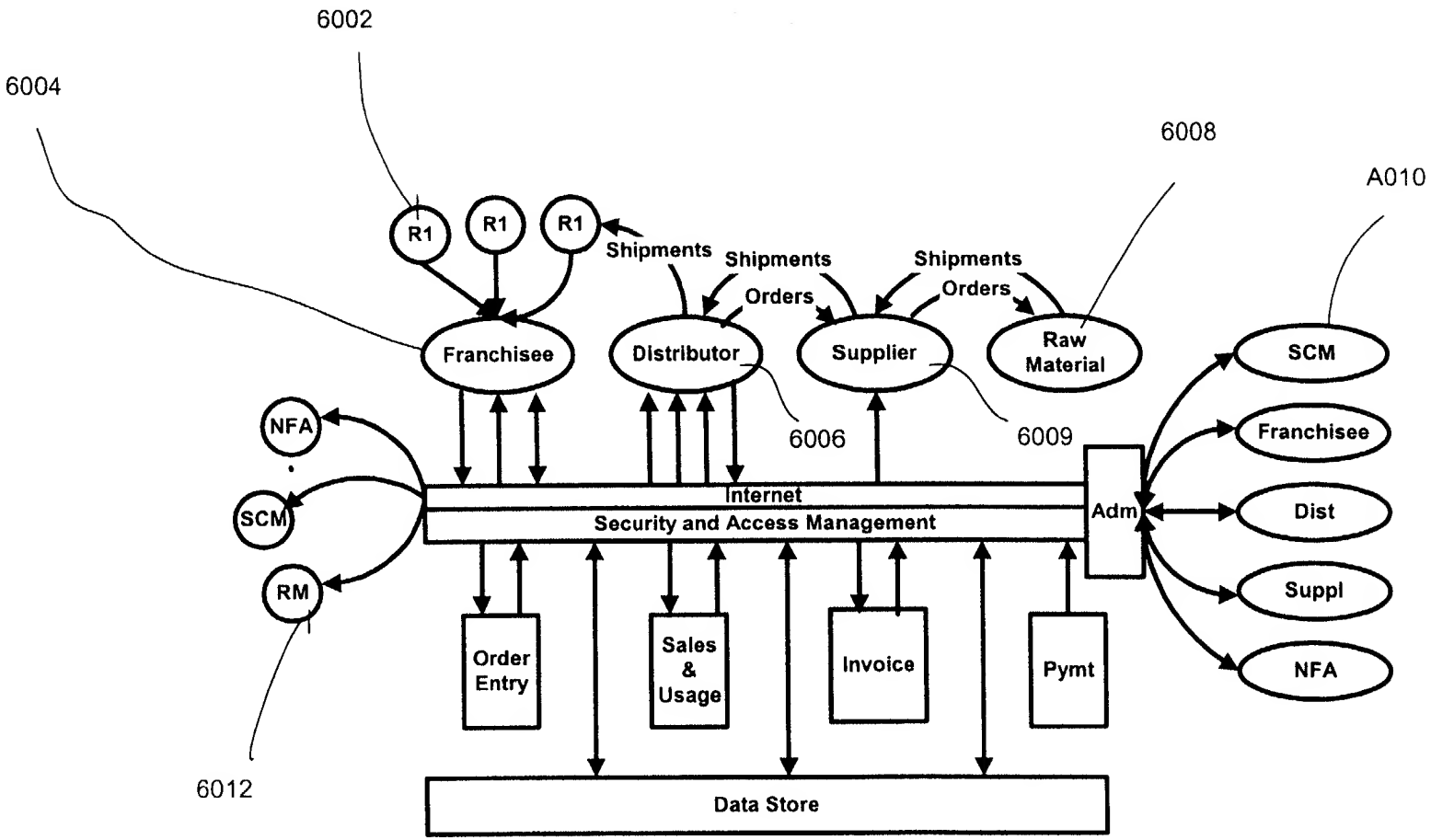
6002
6004
6008
A010
R1
R1
R1
Shipments
Shipments
Shipments
Orders
Orders
Franchisee
Distributor
Supplier
Raw Material
SCM
Franchisee
Dist
Suppl
NFA
6006
6009
NFA
SCM
RM
Internet
Security and Access Management
Adm
Order Entry
Sales & Usage
Invoice
Pymt
6012
Data Store

Fig. 60

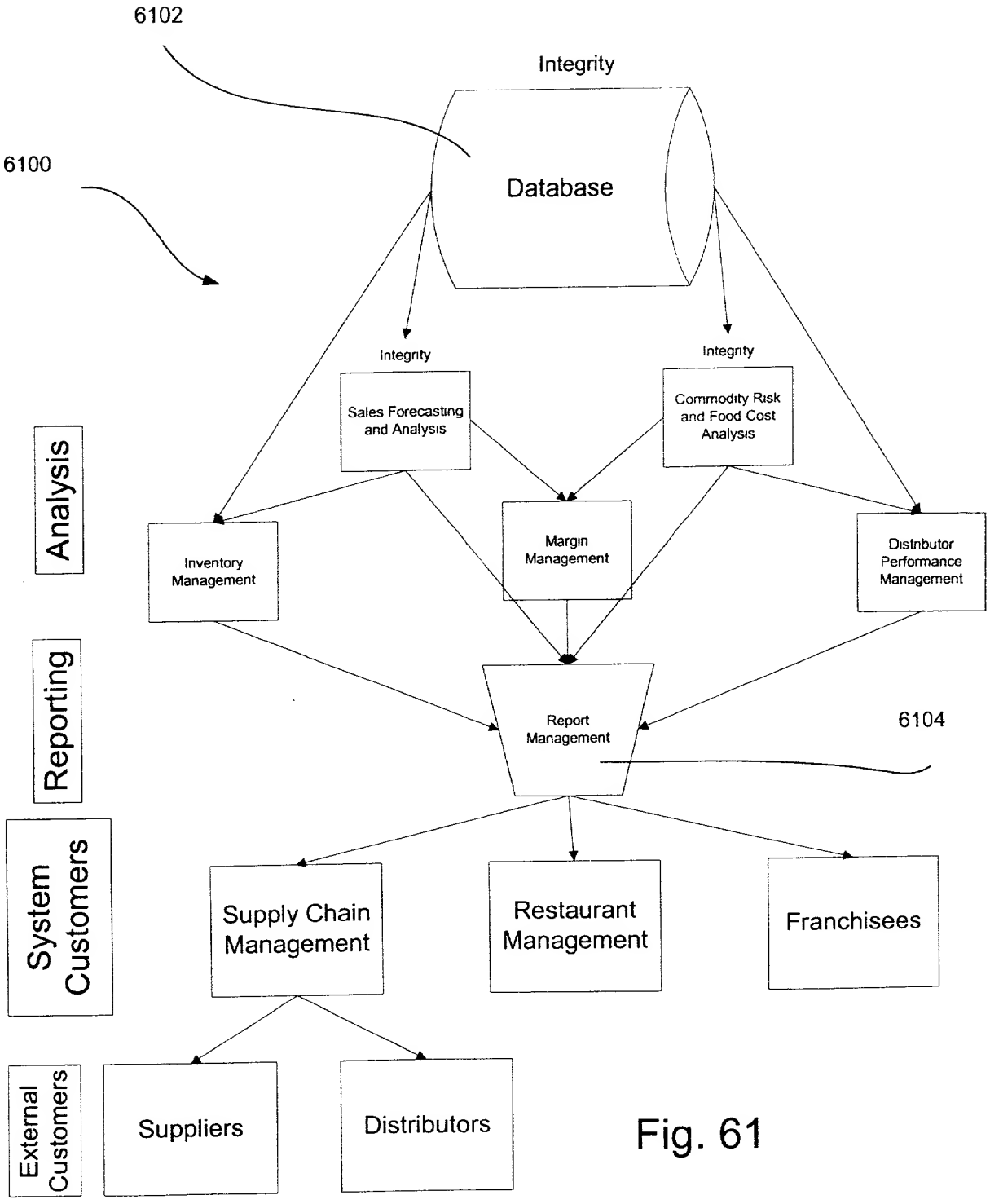
6102
Integrity
6100
Database
Integrity
Integrity
Sales Forecasting and Analysis
Commodity Risk and Food Cost Analysis
Analysis
Inventory Management
Margin Management
Distributor Performance Management
Reporting
Report Management
6104
System Customers
Supply Chain Management
Restaurant Management
Franchisees
External Customers
Suppliers
Distributors

Fig. 61

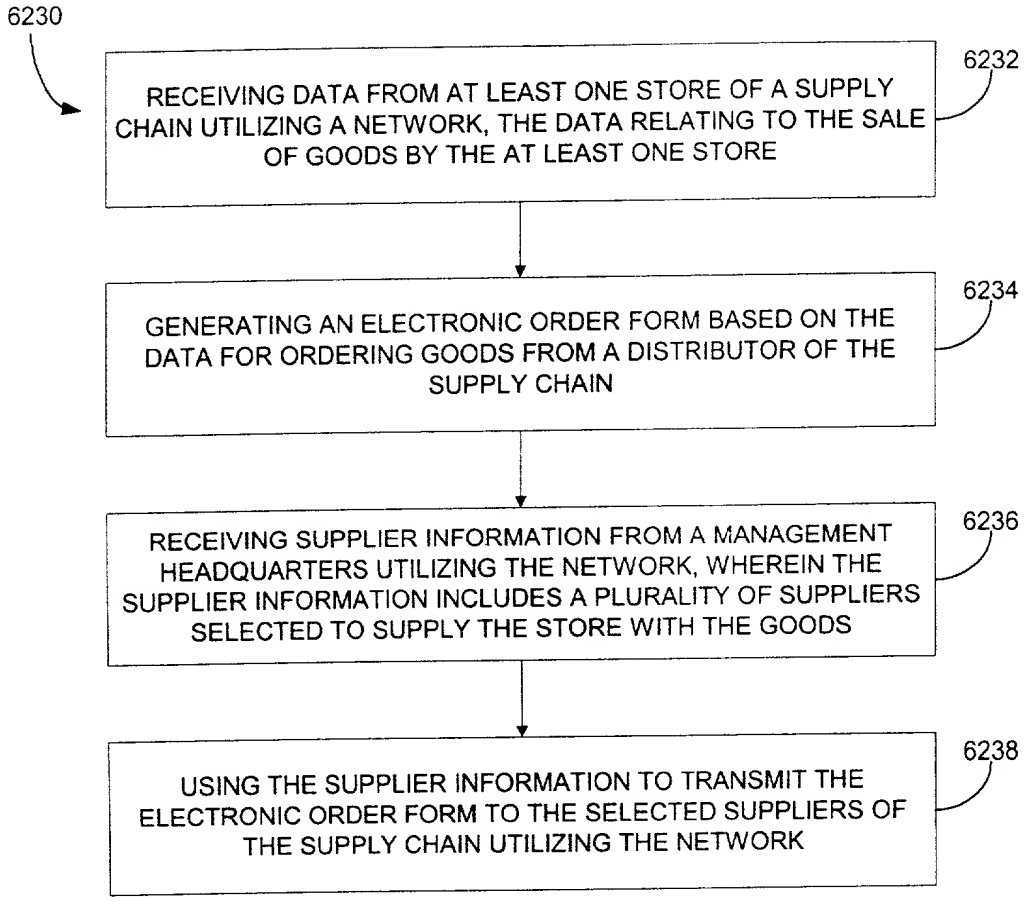
6230
RECEIVING DATA FROM AT LEAST ONE STORE OF A SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF GOODS BY THE AT LEAST ONE STORE
6232
GENERATING AN ELECTRONIC ORDER FORM BASED ON THE DATA FOR ORDERING GOODS FROM A DISTRIBUTOR OF THE SUPPLY CHAIN
6234
RECEIVING SUPPLIER INFORMATION FROM A MANAGEMENT HEADQUARTERS UTILIZING THE NETWORK, WHEREIN THE SUPPLIER INFORMATION INCLUDES A PLURALITY OF SUPPLIERS SELECTED TO SUPPLY THE STORE WITH THE GOODS
6236
USING THE SUPPLIER INFORMATION TO TRANSMIT THE ELECTRONIC ORDER FORM TO THE SELECTED SUPPLIERS OF THE SUPPLY CHAIN UTILIZING THE NETWORK
6238

FIG. 62

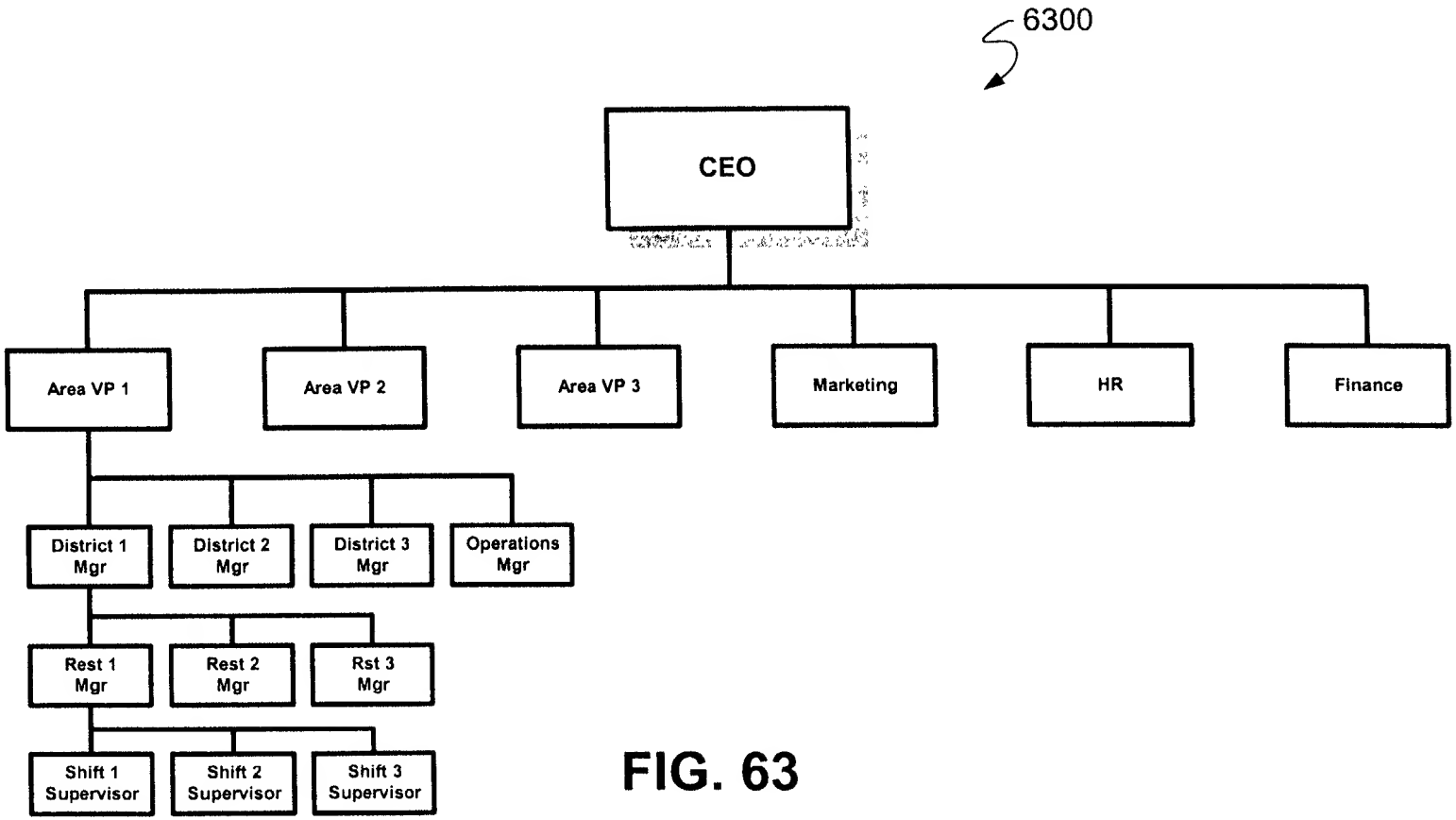
6300
CEO
Area VP 1
Area VP 2
Area VP 3
Marketing
HR
Finance
District 1 Mgr
District 2 Mgr
District 3 Mgr
Operations Mgr
Rest 1 Mgr
Rest 2 Mgr
Rst 3 Mgr
Shift 1 Supervisor
Shift 2 Supervisor
Shift 3 Supervisor

FIG. 63

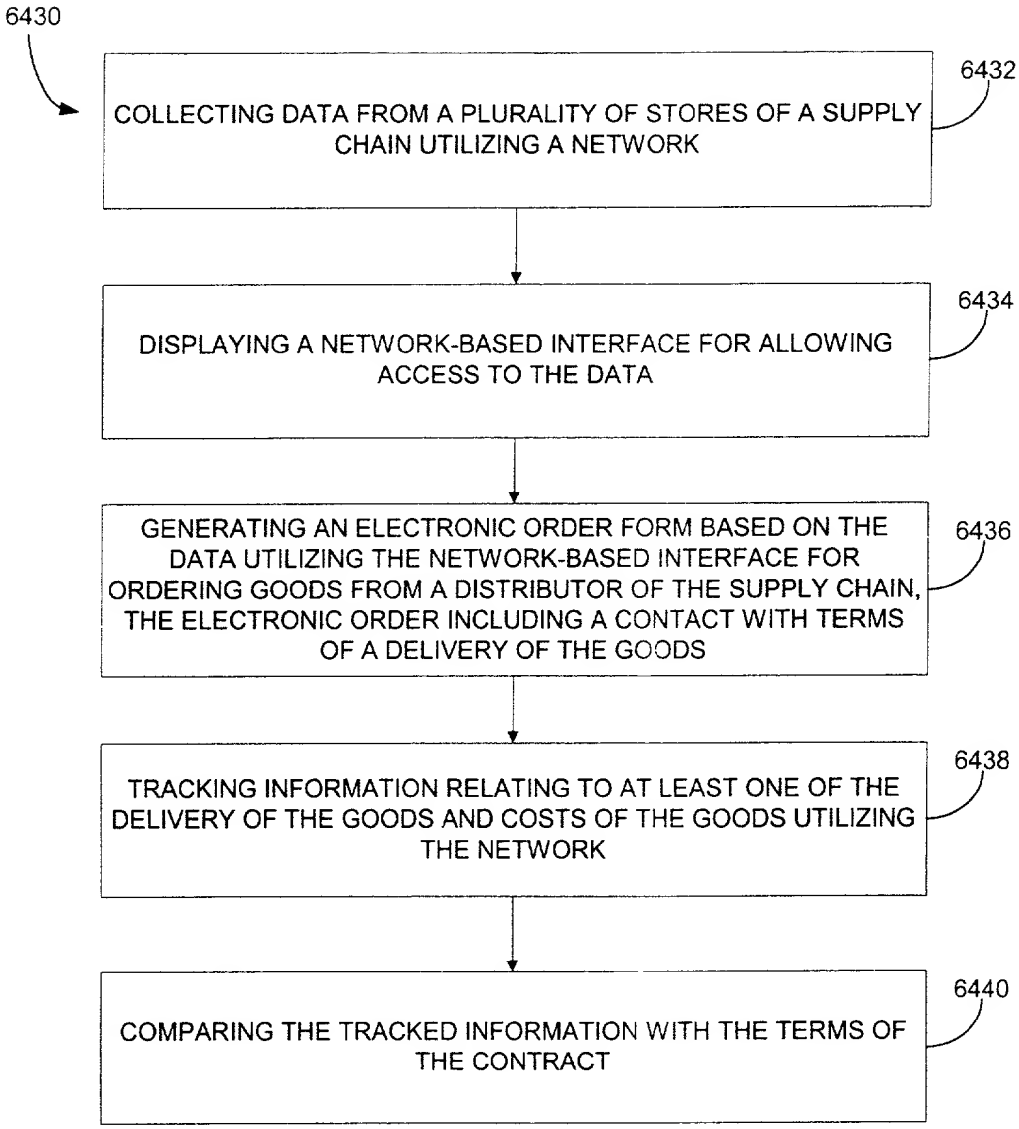
6430
COLLECTING DATA FROM A PLURALITY OF STORES OF A SUPPLY CHAIN UTILIZING A NETWORK
6432
DISPLAYING A NETWORK-BASED INTERFACE FOR ALLOWING ACCESS TO THE DATA
6434
GENERATING AN ELECTRONIC ORDER FORM BASED ON THE DATA UTILIZING THE NETWORK-BASED INTERFACE FOR ORDERING GOODS FROM A DISTRIBUTOR OF THE SUPPLY CHAIN, THE ELECTRONIC ORDER INCLUDING A CONTACT WITH TERMS OF A DELIVERY OF THE GOODS
6436
TRACKING INFORMATION RELATING TO AT LEAST ONE OF THE DELIVERY OF THE GOODS AND COSTS OF THE GOODS UTILIZING THE NETWORK
6438
COMPARING THE TRACKED INFORMATION WITH THE TERMS OF THE CONTRACT
6440

FIG. 64

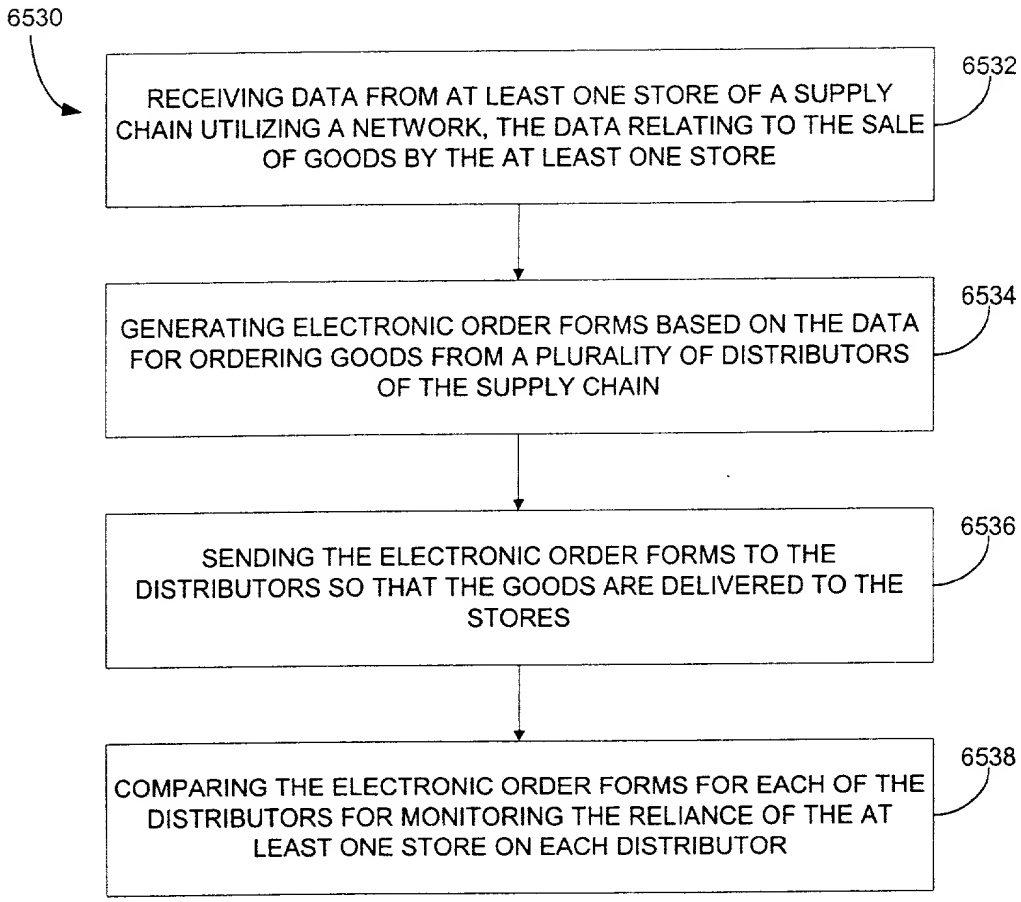
6530
RECEIVING DATA FROM AT LEAST ONE STORE OF A SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF GOODS BY THE AT LEAST ONE STORE
6532
GENERATING ELECTRONIC ORDER FORMS BASED ON THE DATA FOR ORDERING GOODS FROM A PLURALITY OF DISTRIBUTORS OF THE SUPPLY CHAIN
6534
SENDING THE ELECTRONIC ORDER FORMS TO THE DISTRIBUTORS SO THAT THE GOODS ARE DELIVERED TO THE STORES
6536
COMPARING THE ELECTRONIC ORDER FORMS FOR EACH OF THE DISTRIBUTORS FOR MONITORING THE RELIANCE OF THE AT LEAST ONE STORE ON EACH DISTRIBUTOR
6538

FIG. 65

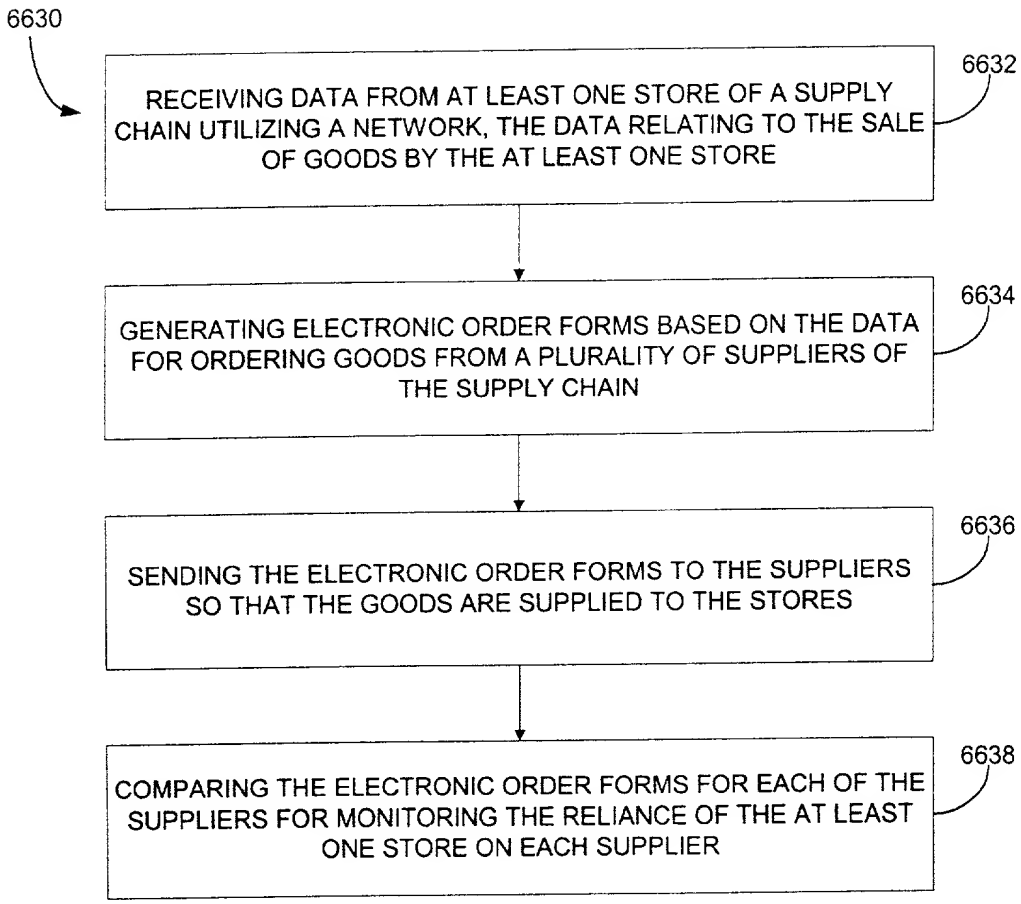
6630
RECEIVING DATA FROM AT LEAST ONE STORE OF A SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF GOODS BY THE AT LEAST ONE STORE
6632
GENERATING ELECTRONIC ORDER FORMS BASED ON THE DATA FOR ORDERING GOODS FROM A PLURALITY OF SUPPLIERS OF THE SUPPLY CHAIN
6634
SENDING THE ELECTRONIC ORDER FORMS TO THE SUPPLIERS SO THAT THE GOODS ARE SUPPLIED TO THE STORES
6636
COMPARING THE ELECTRONIC ORDER FORMS FOR EACH OF THE SUPPLIERS FOR MONITORING THE RELIANCE OF THE AT LEAST ONE STORE ON EACH SUPPLIER
6638

FIG. 66

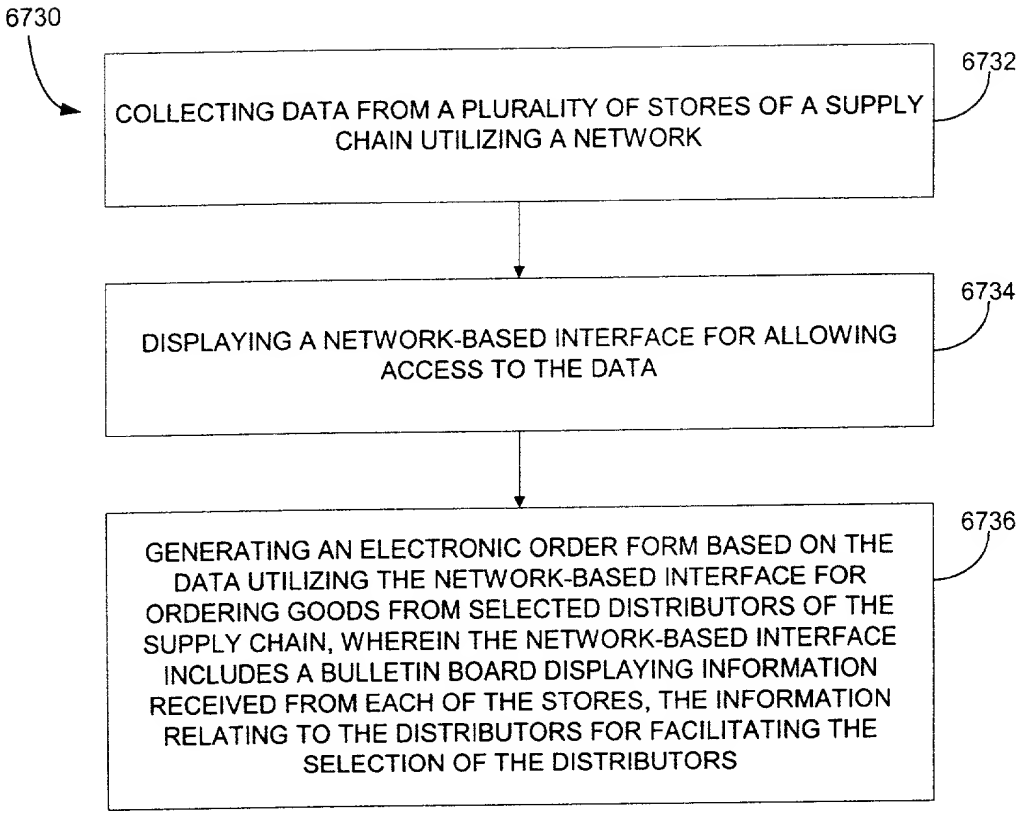
6730
COLLECTING DATA FROM A PLURALITY OF STORES OF A SUPPLY CHAIN UTILIZING A NETWORK
6732
DISPLAYING A NETWORK-BASED INTERFACE FOR ALLOWING ACCESS TO THE DATA
6734
GENERATING AN ELECTRONIC ORDER FORM BASED ON THE DATA UTILIZING THE NETWORK-BASED INTERFACE FOR ORDERING GOODS FROM SELECTED DISTRIBUTORS OF THE SUPPLY CHAIN, WHEREIN THE NETWORK-BASED INTERFACE INCLUDES A BULLETIN BOARD DISPLAYING INFORMATION RECEIVED FROM EACH OF THE STORES, THE INFORMATION RELATING TO THE DISTRIBUTORS FOR FACILITATING THE SELECTION OF THE DISTRIBUTORS
6736

FIG. 67

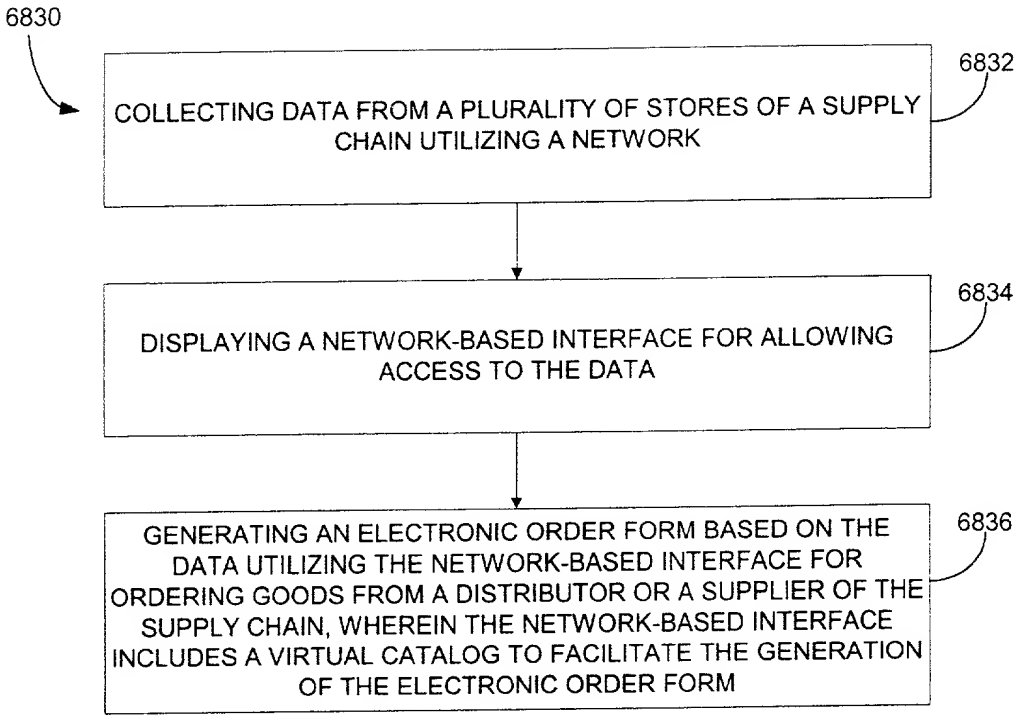
6830
COLLECTING DATA FROM A PLURALITY OF STORES OF A SUPPLY CHAIN UTILIZING A NETWORK
6832
DISPLAYING A NETWORK-BASED INTERFACE FOR ALLOWING ACCESS TO THE DATA
6834
GENERATING AN ELECTRONIC ORDER FORM BASED ON THE DATA UTILIZING THE NETWORK-BASED INTERFACE FOR ORDERING GOODS FROM A DISTRIBUTOR OR A SUPPLIER OF THE SUPPLY CHAIN, WHEREIN THE NETWORK-BASED INTERFACE INCLUDES A VIRTUAL CATALOG TO FACILITATE THE GENERATION OF THE ELECTRONIC ORDER FORM
6836

FIG. 68

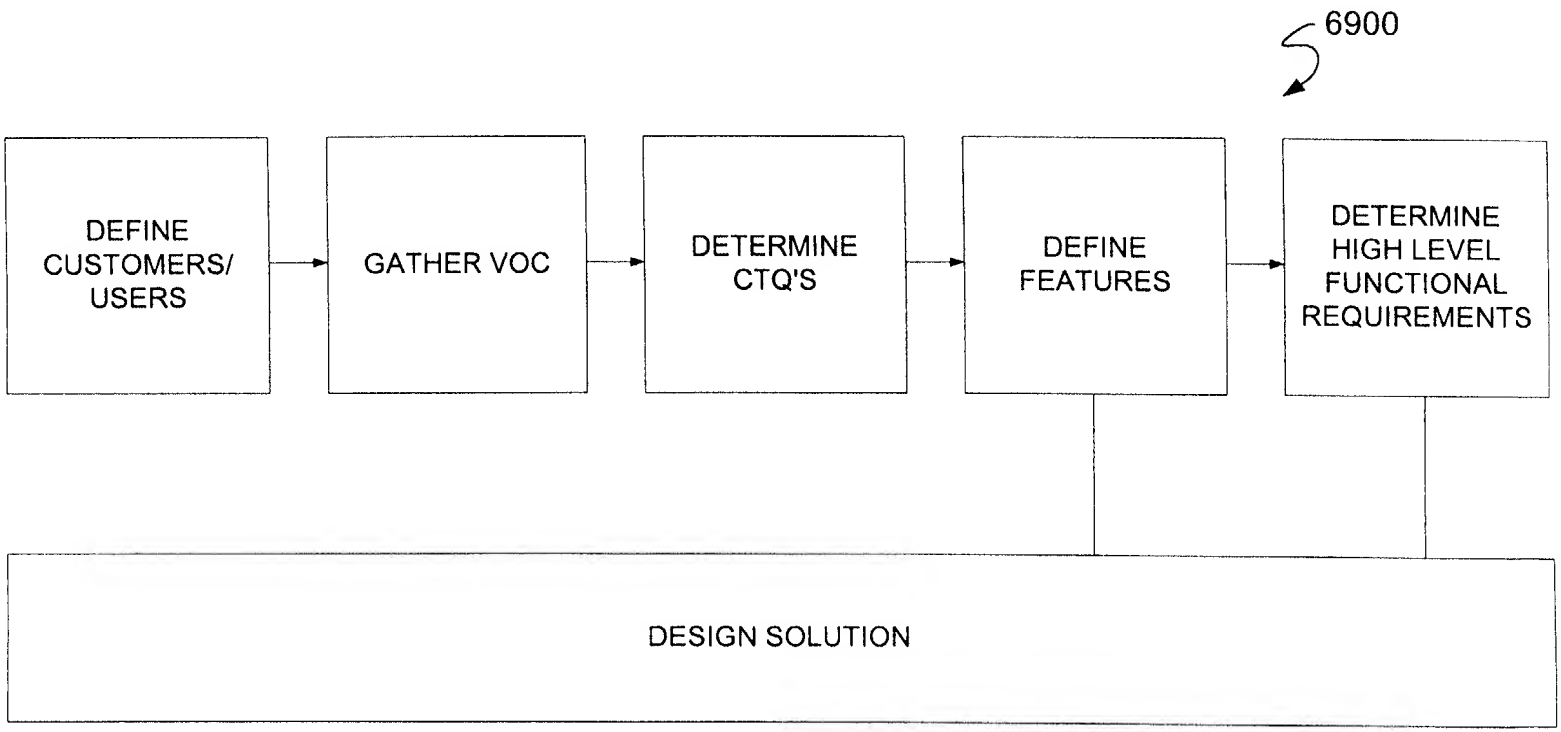
6900
DEFINE CUSTOMERS/ USERS
GATHER VOC
DETERMINE CTQ'S
DEFINE FEATURES
DETERMINE HIGH LEVEL FUNCTIONAL REQUIREMENTS
DESIGN SOLUTION

FIG. 69

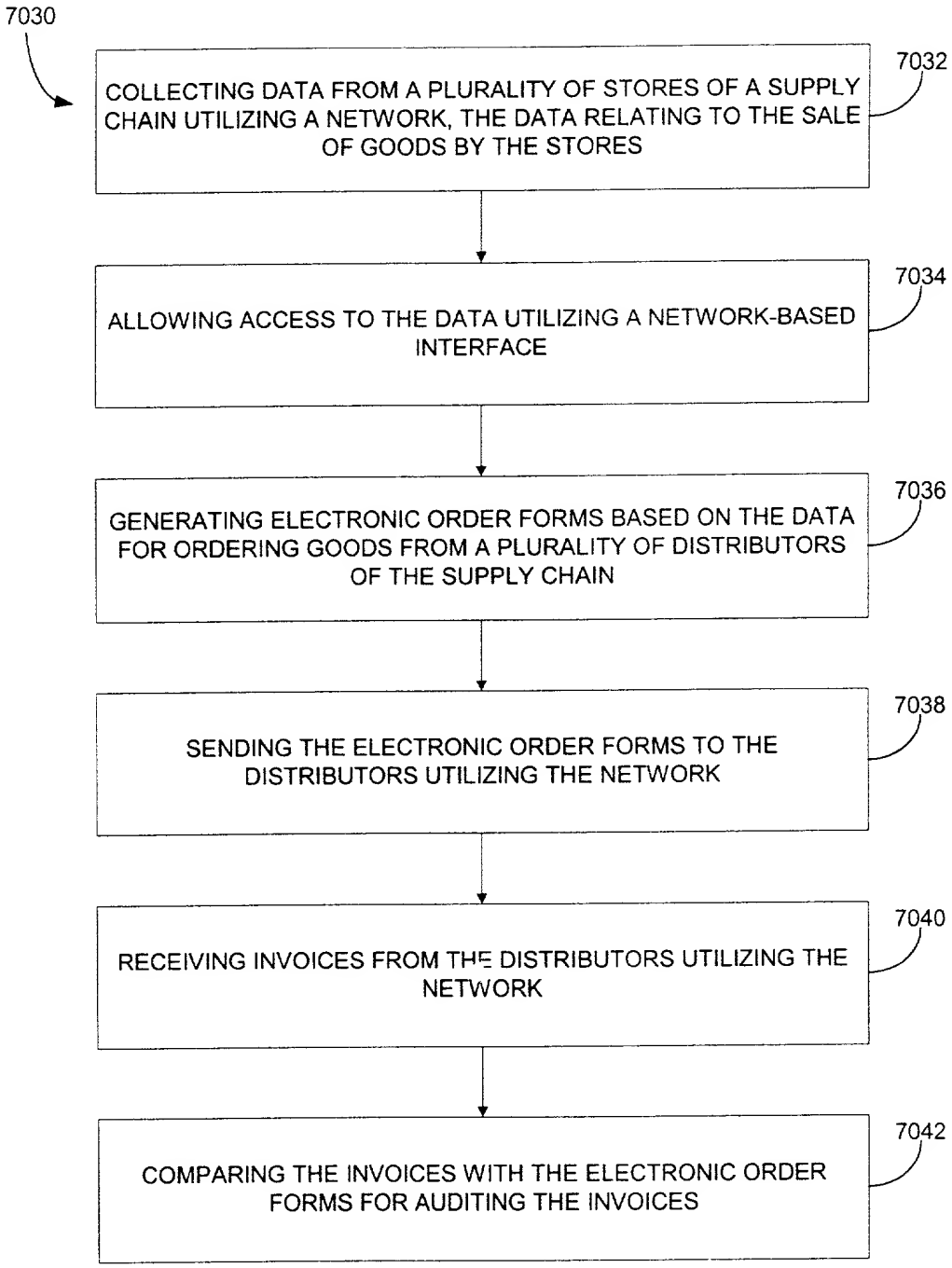
7030
COLLECTING DATA FROM A PLURALITY OF STORES OF A SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF GOODS BY THE STORES
7032
ALLOWING ACCESS TO THE DATA UTILIZING A NETWORK-BASED INTERFACE
7034
GENERATING ELECTRONIC ORDER FORMS BASED ON THE DATA FOR ORDERING GOODS FROM A PLURALITY OF DISTRIBUTORS OF THE SUPPLY CHAIN
7036
SENDING THE ELECTRONIC ORDER FORMS TO THE DISTRIBUTORS UTILIZING THE NETWORK
7038
RECEIVING INVOICES FROM THE DISTRIBUTORS UTILIZING THE NETWORK
7040
COMPARING THE INVOICES WITH THE ELECTRONIC ORDER FORMS FOR AUDITING THE INVOICES
7042

FIG. 70

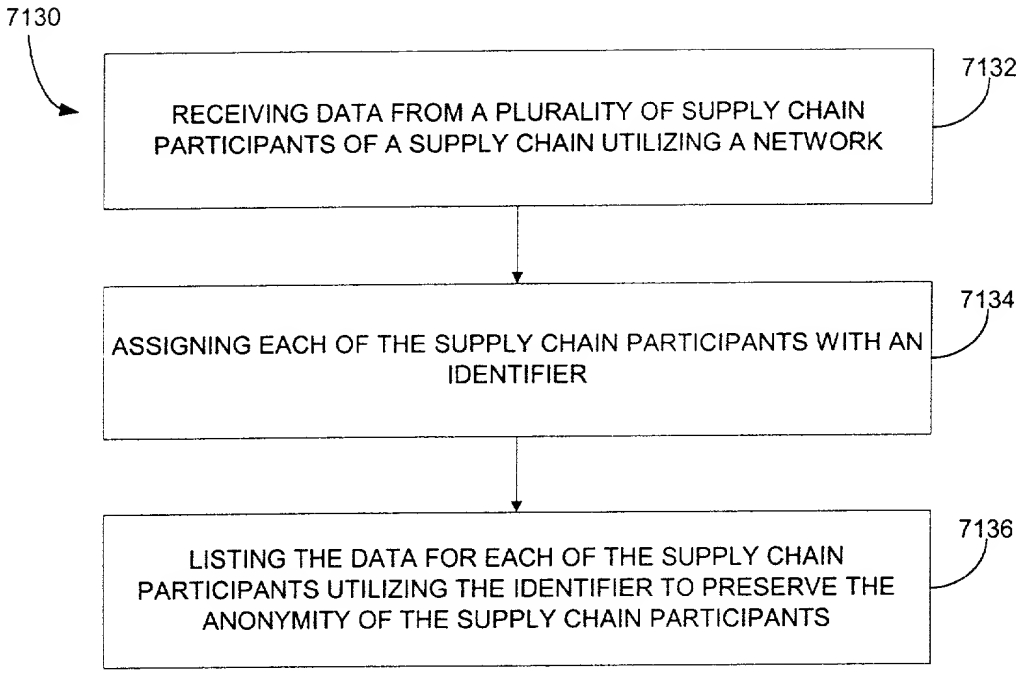
7130
RECEIVING DATA FROM A PLURALITY OF SUPPLY CHAIN PARTICIPANTS OF A SUPPLY CHAIN UTILIZING A NETWORK
7132
ASSIGNING EACH OF THE SUPPLY CHAIN PARTICIPANTS WITH AN IDENTIFIER
7134
LISTING THE DATA FOR EACH OF THE SUPPLY CHAIN PARTICIPANTS UTILIZING THE IDENTIFIER TO PRESERVE THE ANONYMITY OF THE SUPPLY CHAIN PARTICIPANTS
7136

FIG. 71

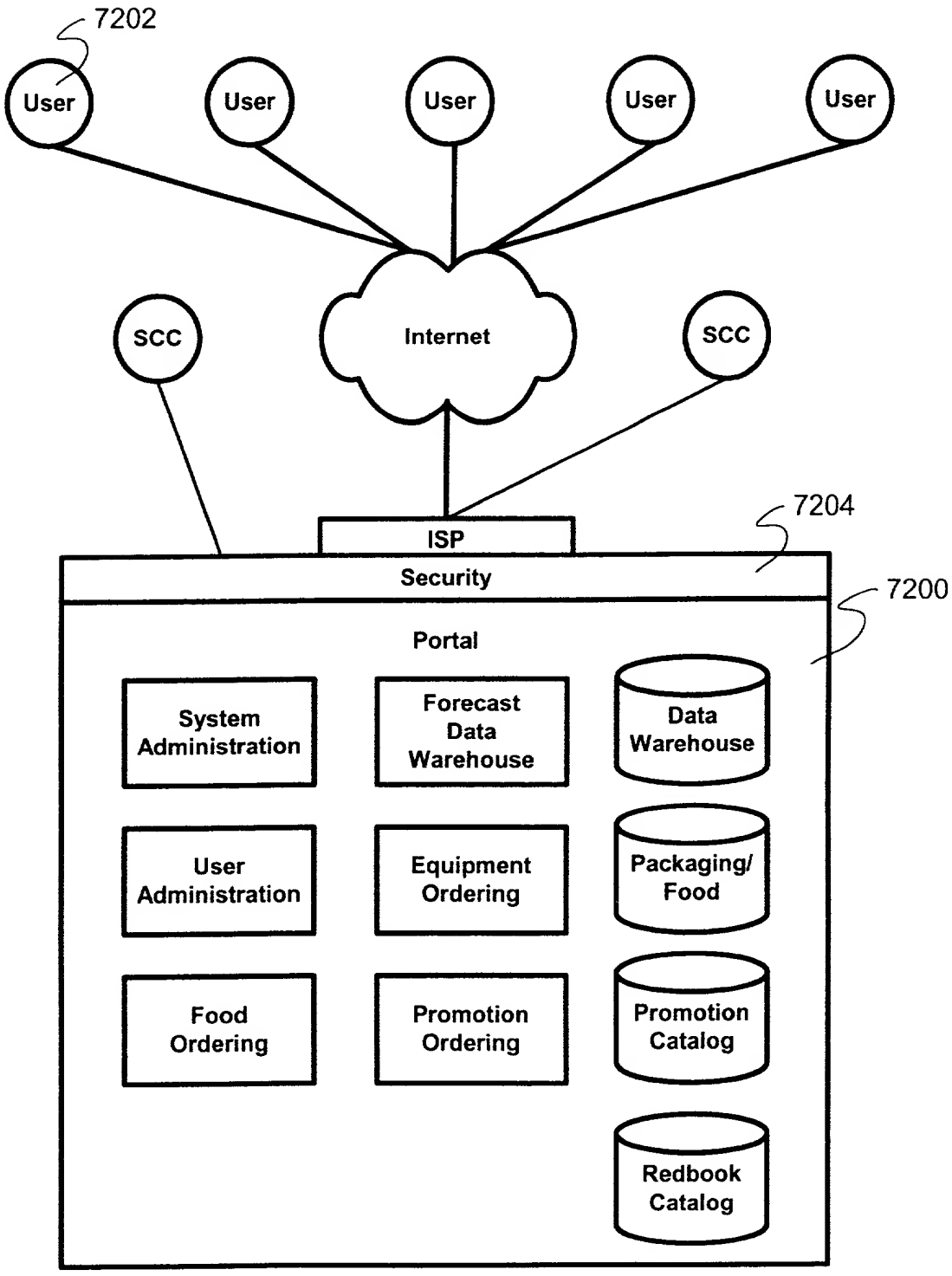
7202
User
User
User
User
User
SCC
Internet
SCC
7204
ISP
Security
7200
Portal
System Administration
Forecast Data Warehouse
Data Warehouse
User Administration
Equipment Ordering
Packaging/ Food
Food Ordering
Promotion Ordering
Promotion Catalog
Redbook Catalog

FIG. 72

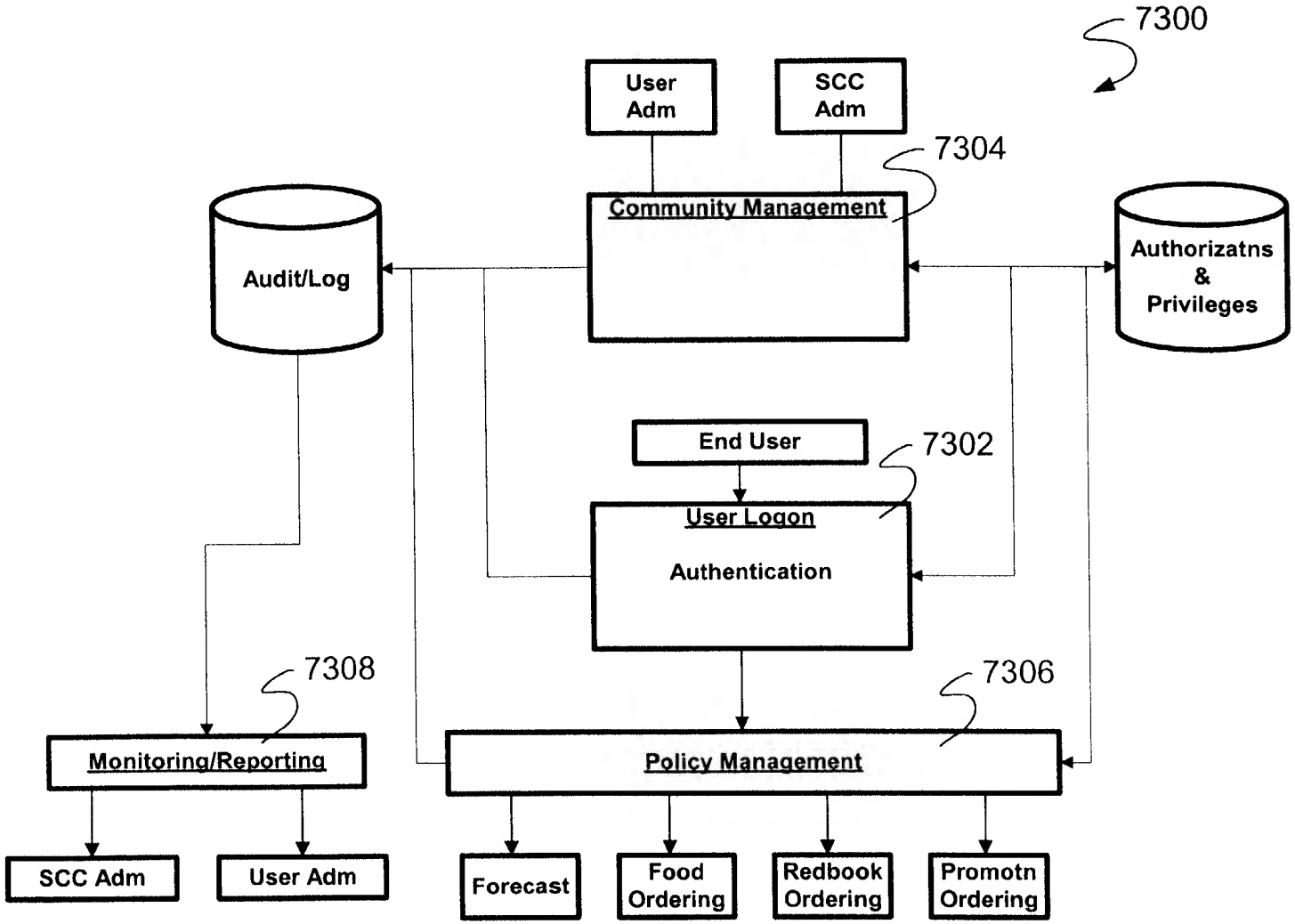
7300
User Adm
SCC Adm
7304
Community Management
Audit/Log
Authorizatns & Privileges
End User
7302
User Logon
Authentication
7308
7306
Monitoring/Reporting
Policy Management
SCC Adm
User Adm
Forecast
Food Ordering
Redbook Ordering
Promotn Ordering

FIG. 73

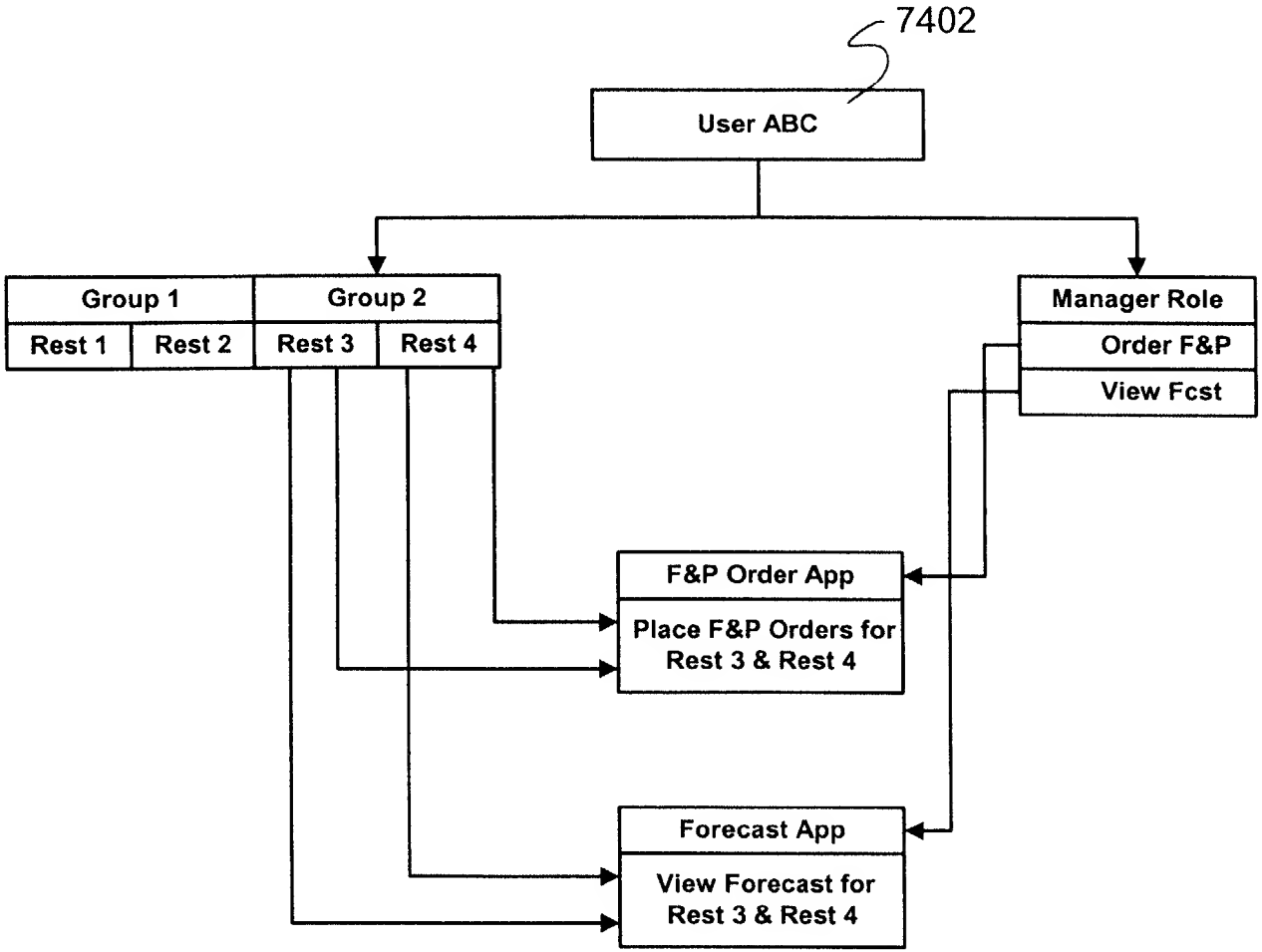
7402
User ABC
Group 1
Group 2
Rest 1
Rest 2
Rest 3
Rest 4
Manager Role
Order F&P
View Fcst
F&P Order App
Place F&P Orders for Rest 3 & Rest 4
Forecast App
View Forecast for Rest 3 & Rest 4

FIG. 74

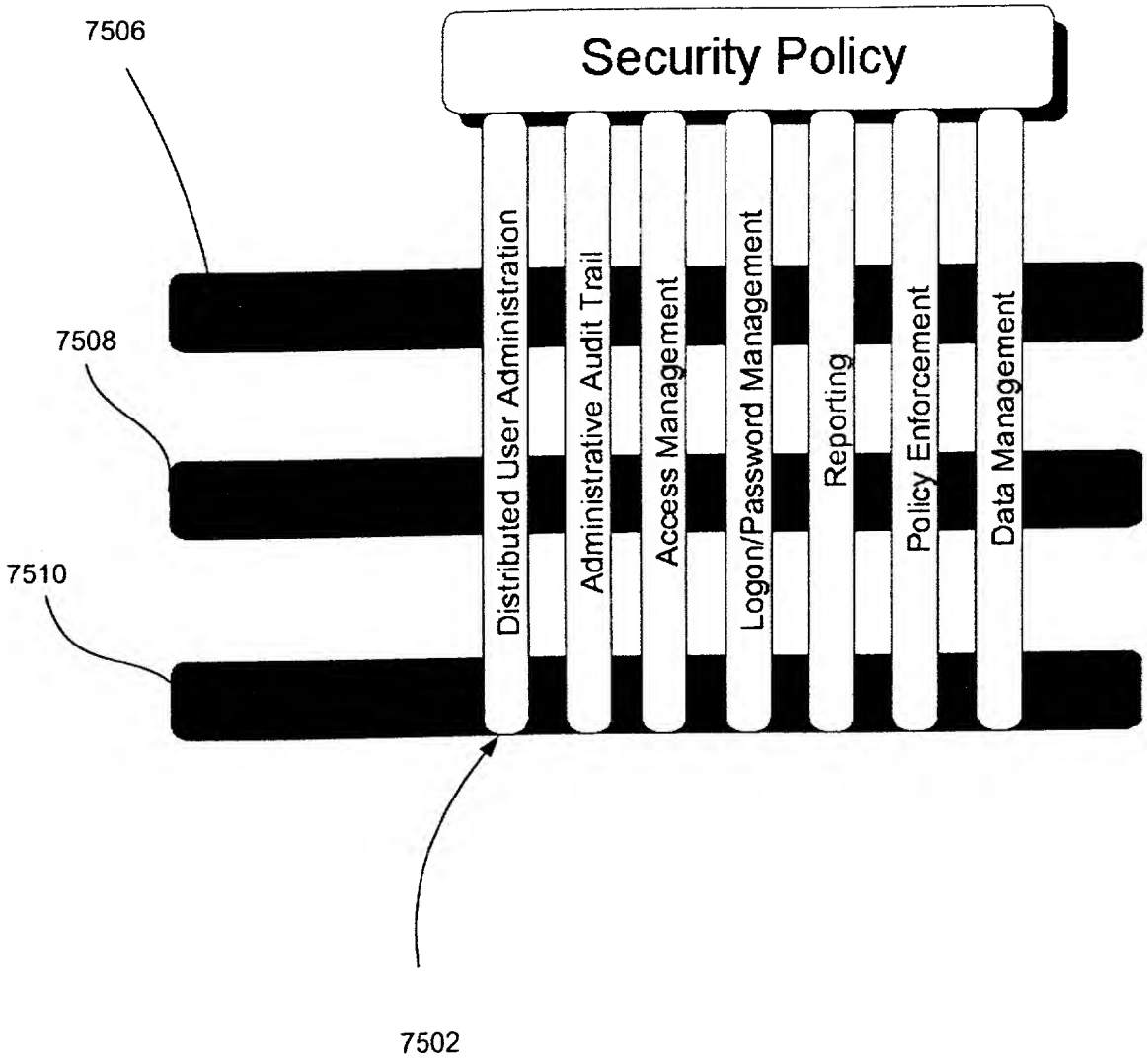
7506
Security Policy
7508
7510
Distributed User Administration
Administrative Audit Trail
Access Management
Logon/Password Management
Reporting
Policy Enforcement
Data Management
7502

Fig. 75

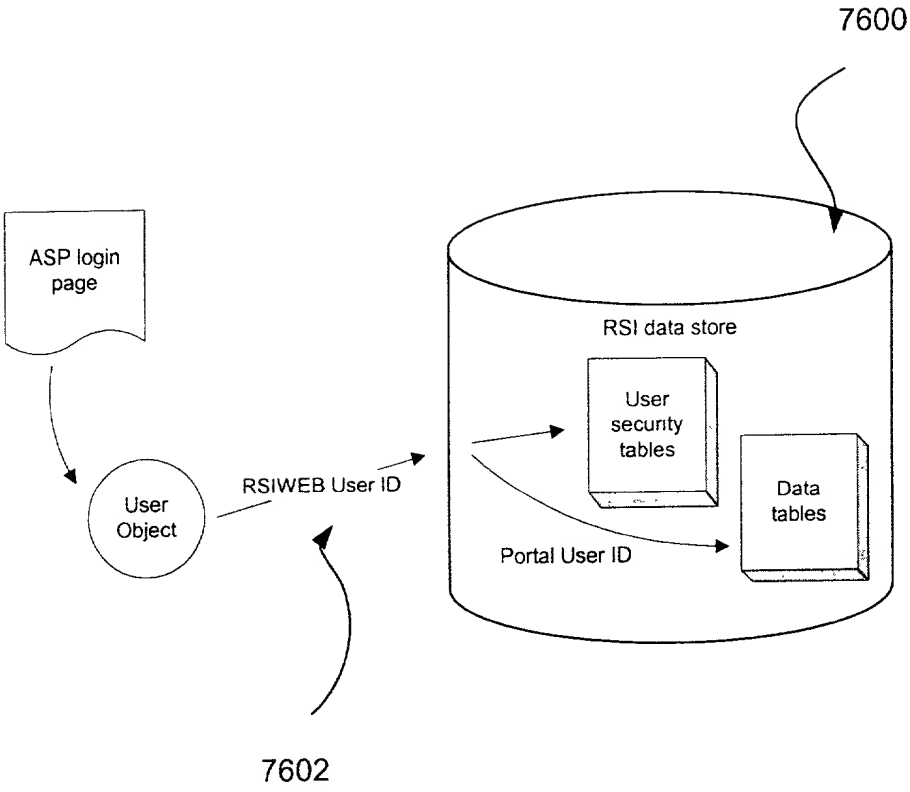
7600
ASP login page
RSI data store
User security tables
Data tables
User Object
RSIWEB User ID
Portal User ID
7602

Fig. 76

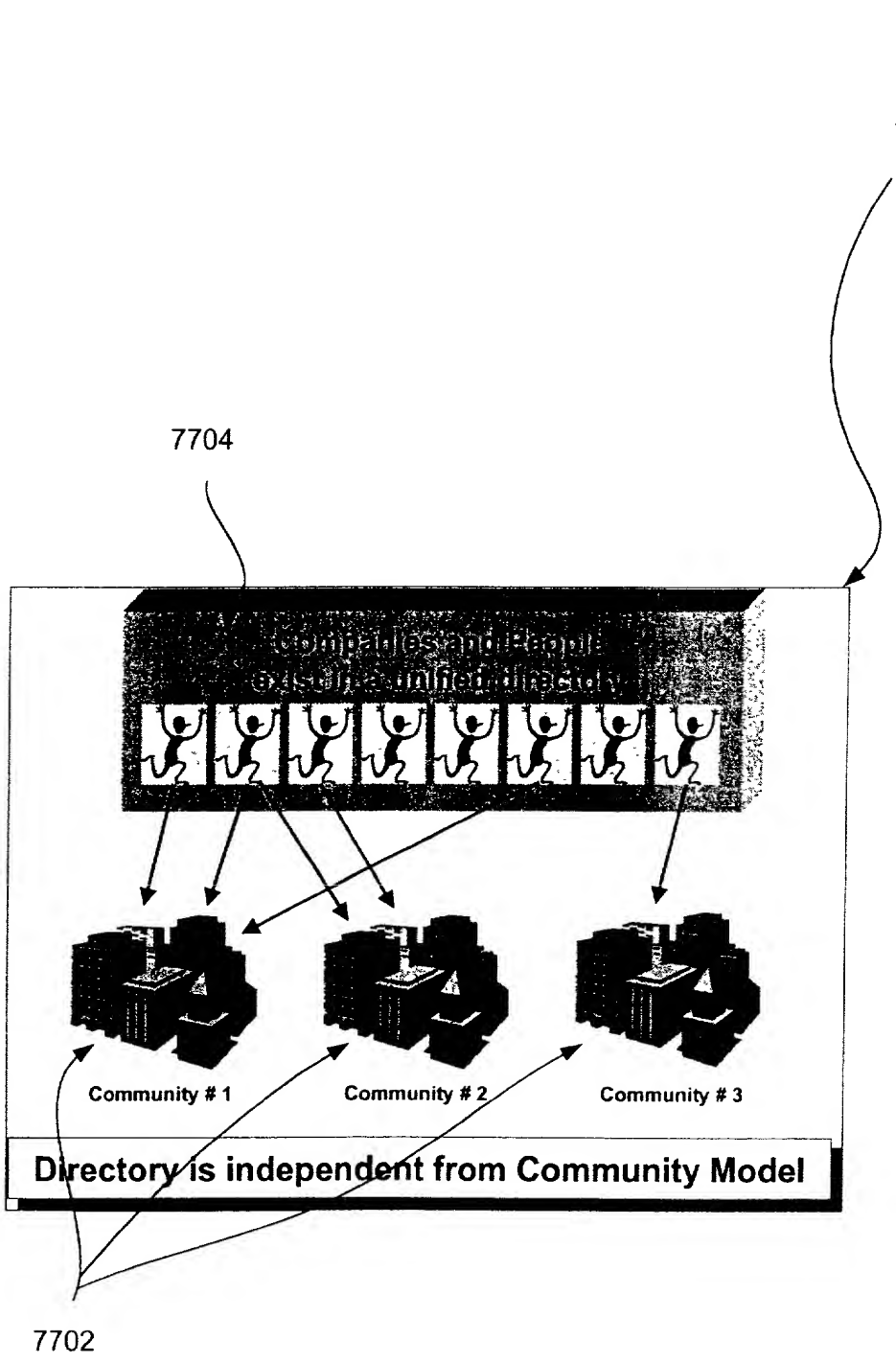
7700
7704
Computers and People
exist in a unified directory
Community # 1
Community # 2
Community # 3
Directory is independent from Community Model
7702

Fig. 77

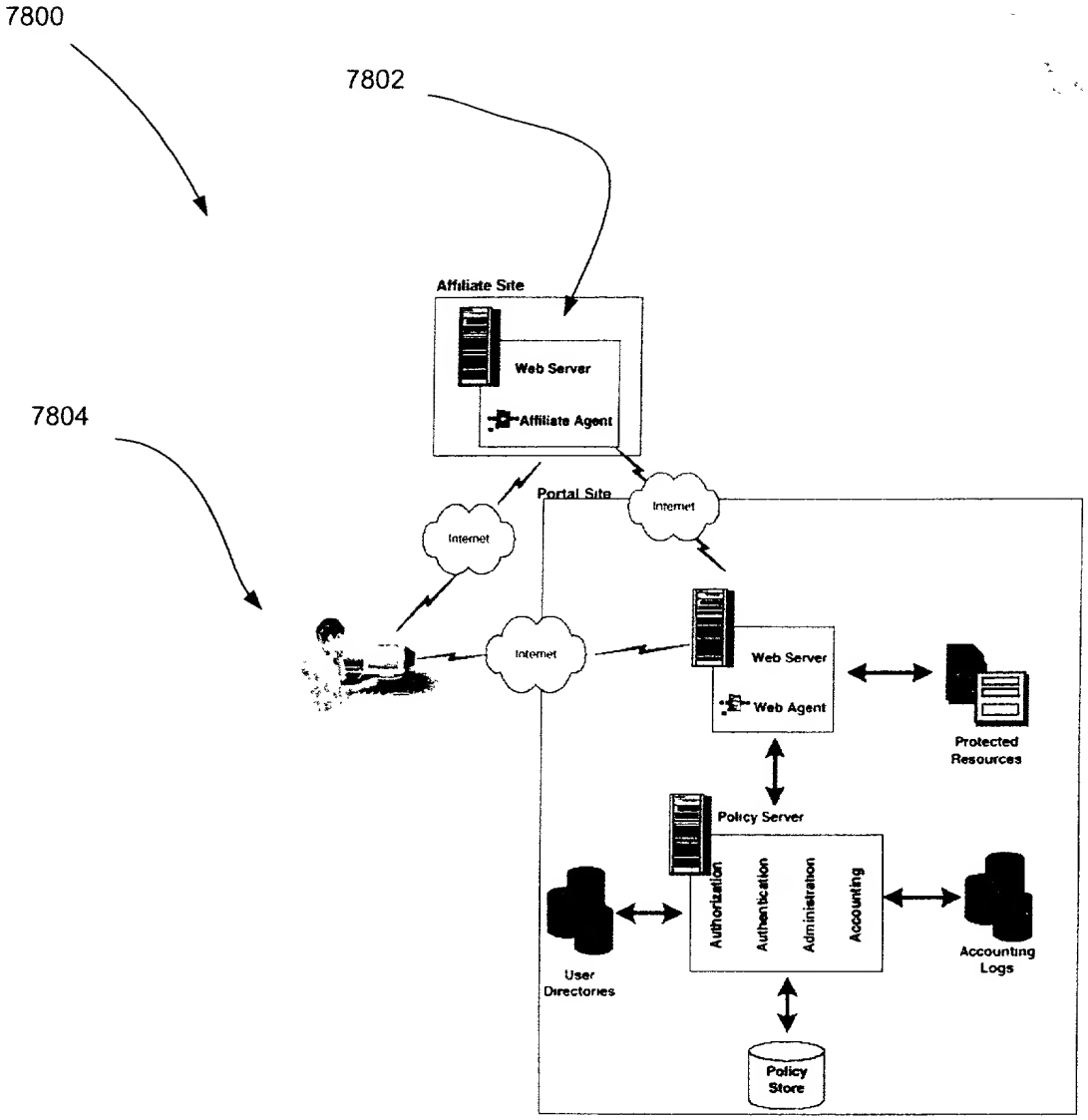
7800
7802
7804
Affiliate Site
Web Server
Affiliate Agent
Portal Site
Internet
Internet
Internet
Web Server
Web Agent
Protected Resources
Policy Server
Authorization
Authentication
Administration
Accounting
User Directories
Accounting Logs
Policy Store

Fig. 78

7900

7902

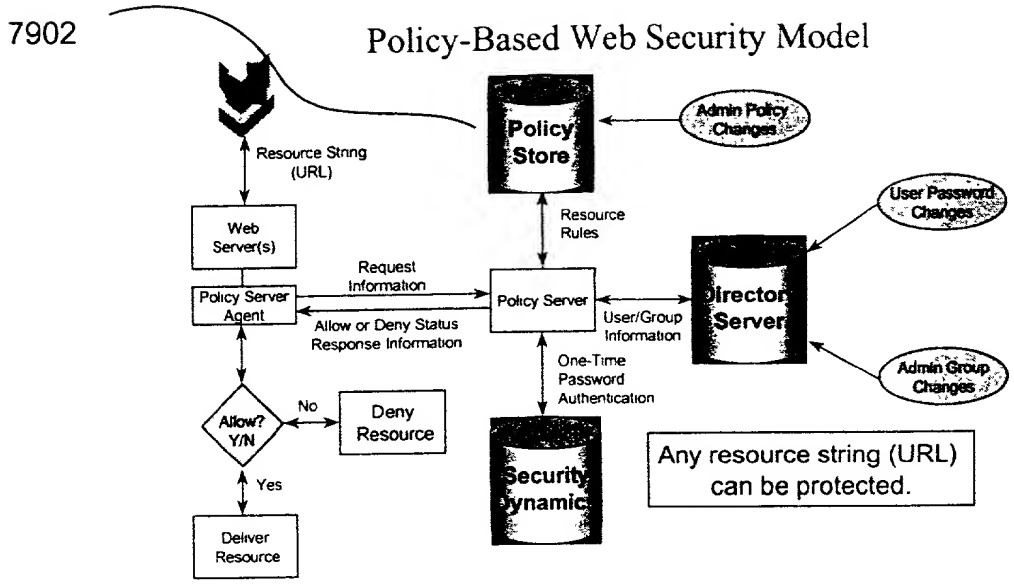

Fig. 79

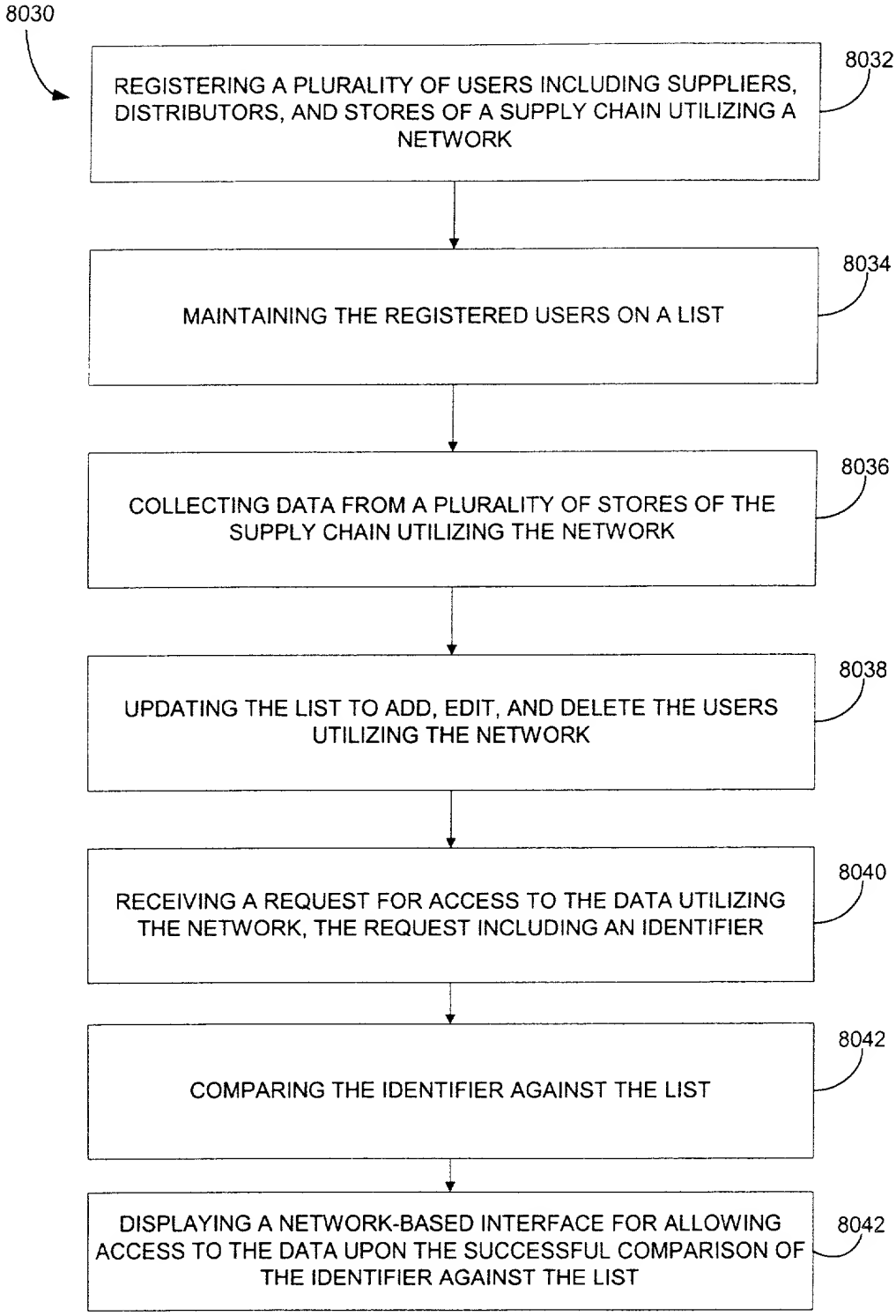
8030
REGISTERING A PLURALITY OF USERS INCLUDING SUPPLIERS, DISTRIBUTORS, AND STORES OF A SUPPLY CHAIN UTILIZING A NETWORK
8032
MAINTAINING THE REGISTERED USERS ON A LIST
8034
COLLECTING DATA FROM A PLURALITY OF STORES OF THE SUPPLY CHAIN UTILIZING THE NETWORK
8036
UPDATING THE LIST TO ADD, EDIT, AND DELETE THE USERS UTILIZING THE NETWORK
8038
RECEIVING A REQUEST FOR ACCESS TO THE DATA UTILIZING THE NETWORK, THE REQUEST INCLUDING AN IDENTIFIER
8040
COMPARING THE IDENTIFIER AGAINST THE LIST
8042
DISPLAYING A NETWORK-BASED INTERFACE FOR ALLOWING ACCESS TO THE DATA UPON THE SUCCESSFUL COMPARISON OF THE IDENTIFIER AGAINST THE LIST
8042

FIG. 80

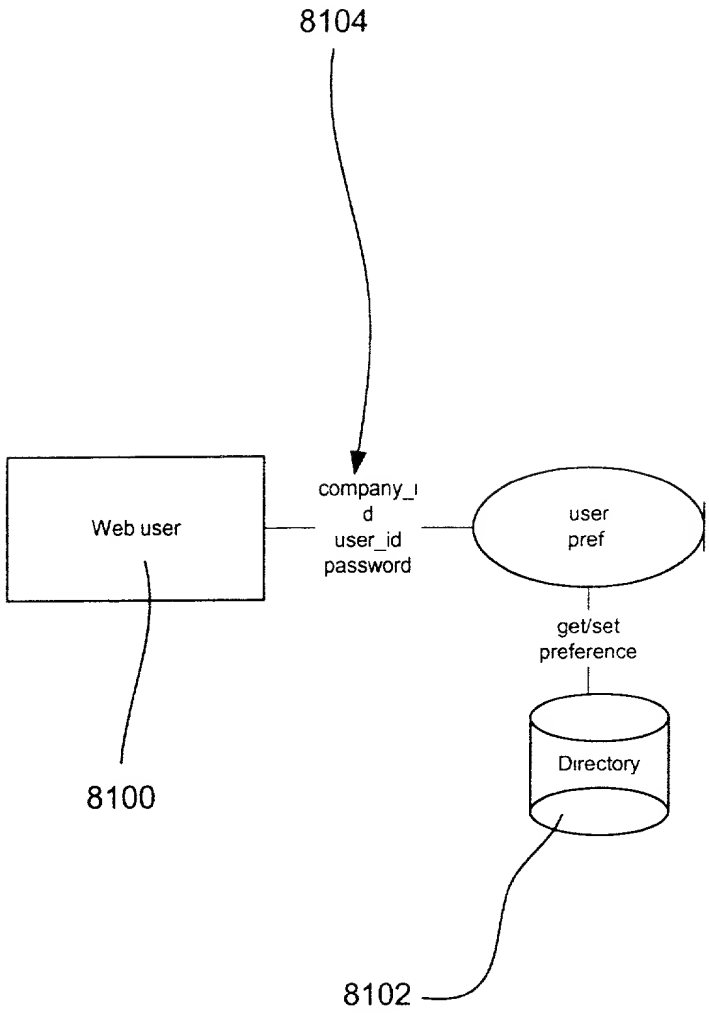
8104
Web user
company_i
d
user_id
password
user
pref
get/set
preference
Directory
8100
8102

Fig. 81

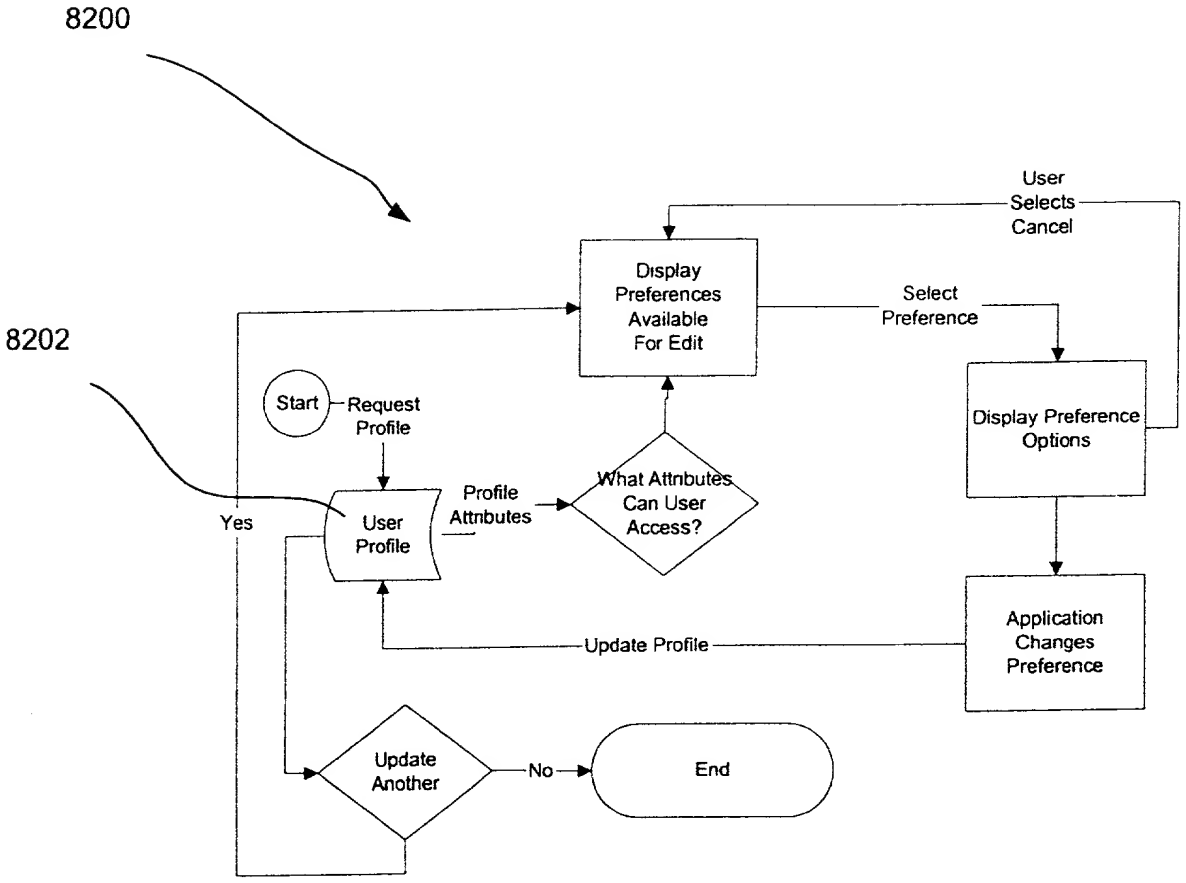
8200
8202
User
Selects
Cancel
Display
Preferences
Available
For Edit
Select
Preference
Display Preference
Options
Start
Request
Profile
Profile
Attributes
What Attributes
Can User
Access?
Yes
User
Profile
Application
Changes
Preference
Update Profile
Update
Another
No
End

Fig. 82

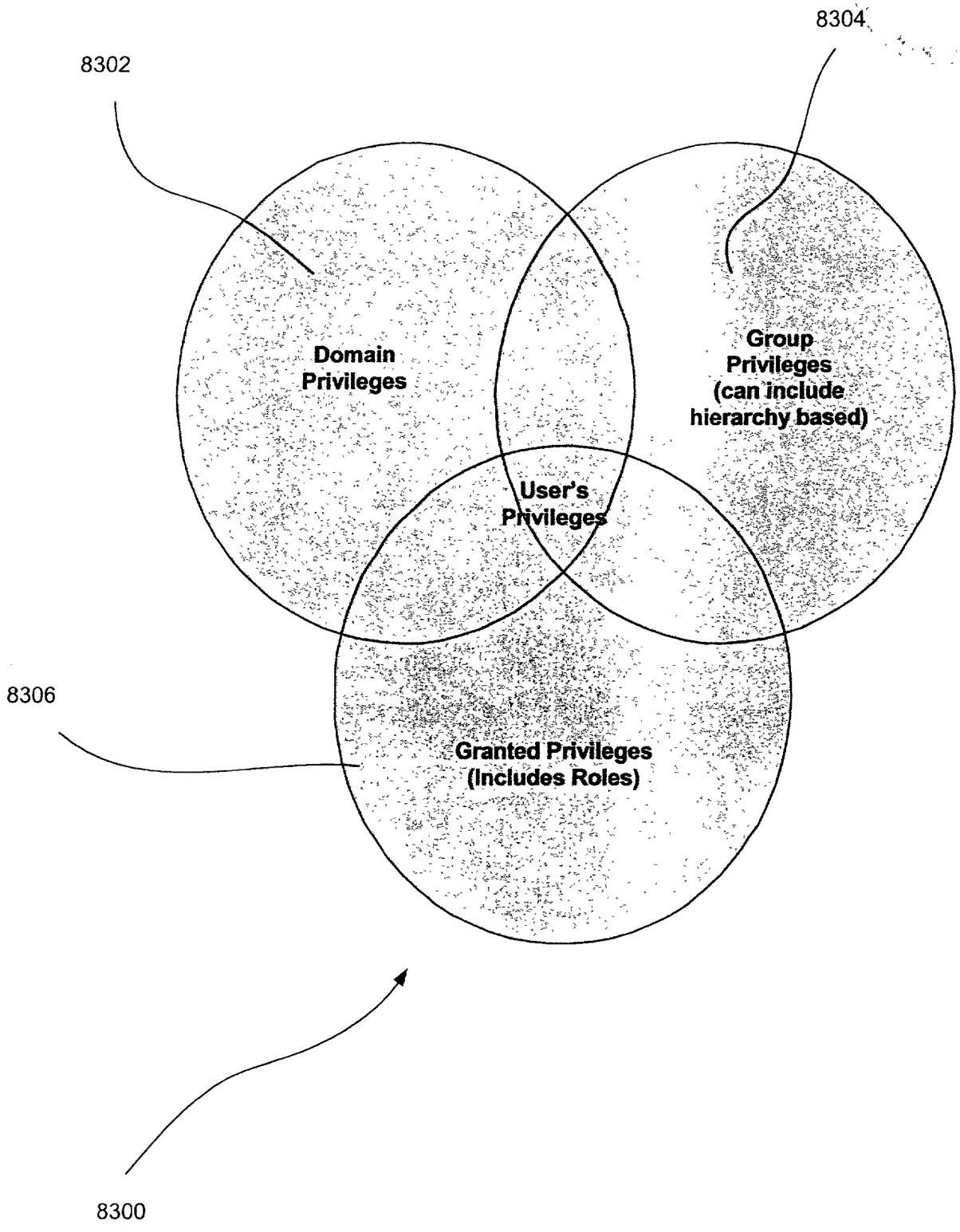
8304
8302
Domain Privileges
Group Privileges (can include hierarchy based)
User's Privileges
8306
Granted Privileges (Includes Roles)
8300

Fig. 83

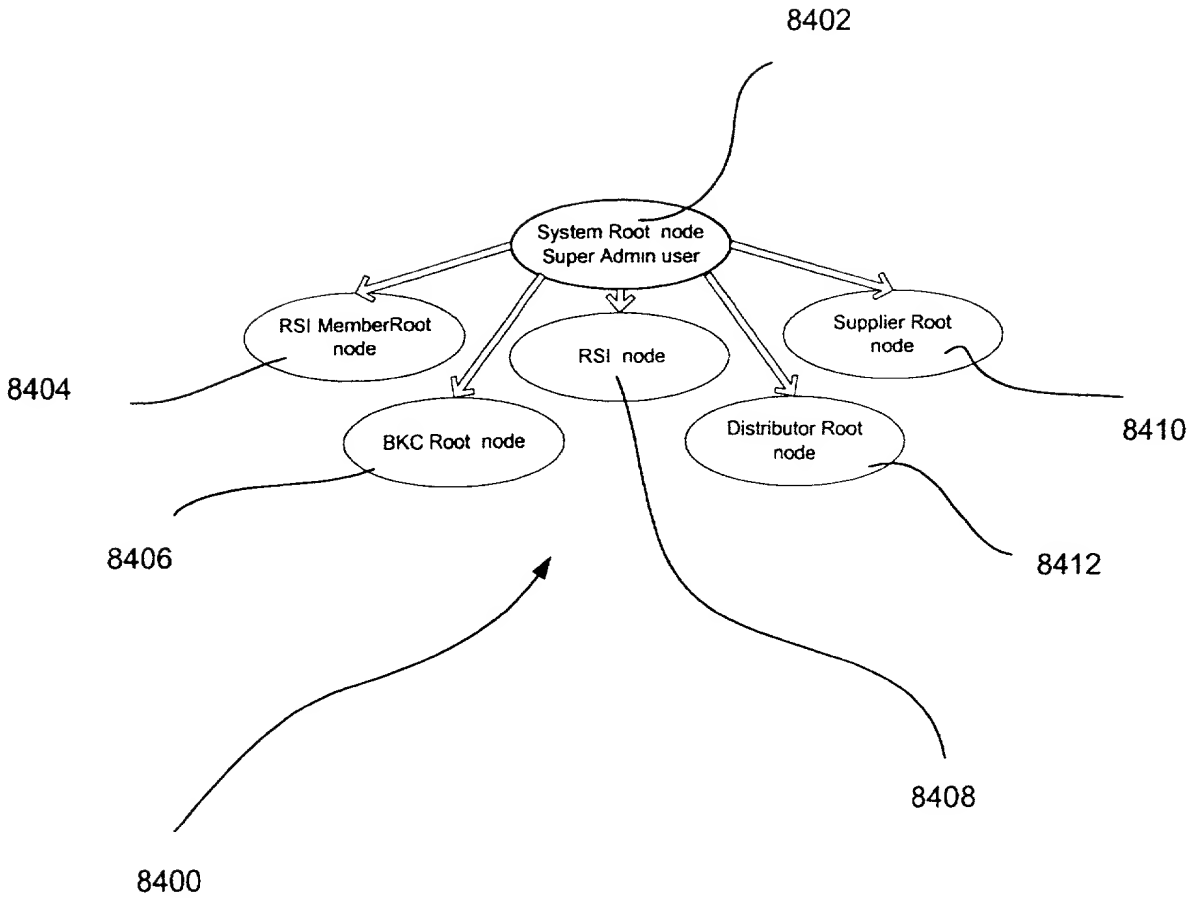
8402
System Root node
Super Admin user
RSI MemberRoot node
RSI node
Supplier Root node
8404
BKC Root node
Distributor Root node
8410
8406
8412
8408
8400

Fig. 84

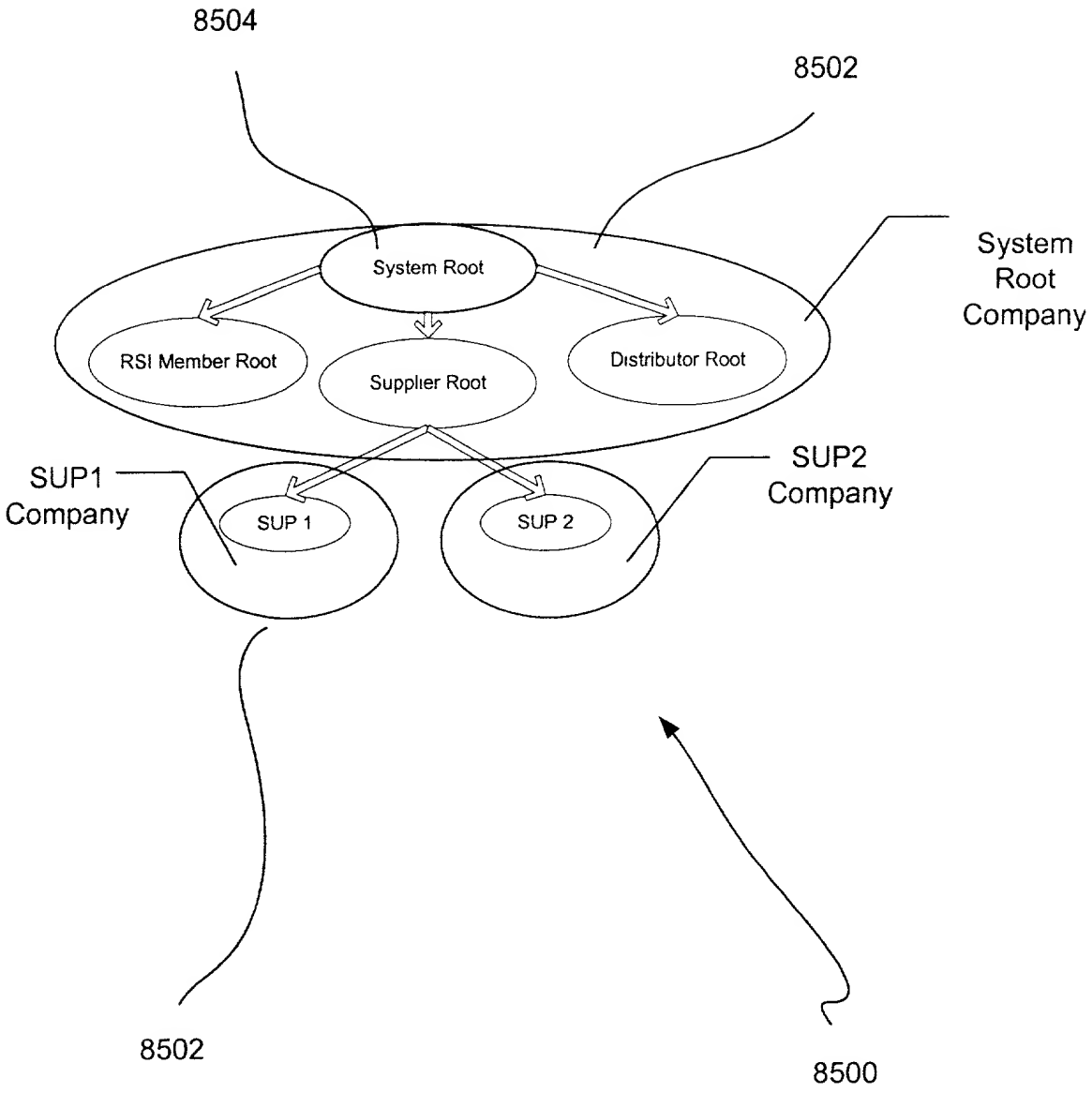
8504
8502
System Root
RSI Member Root
Supplier Root
Distributor Root
System Root Company
SUP1 Company
SUP 1
SUP 2
SUP2 Company
8502
8500

Fig. 85

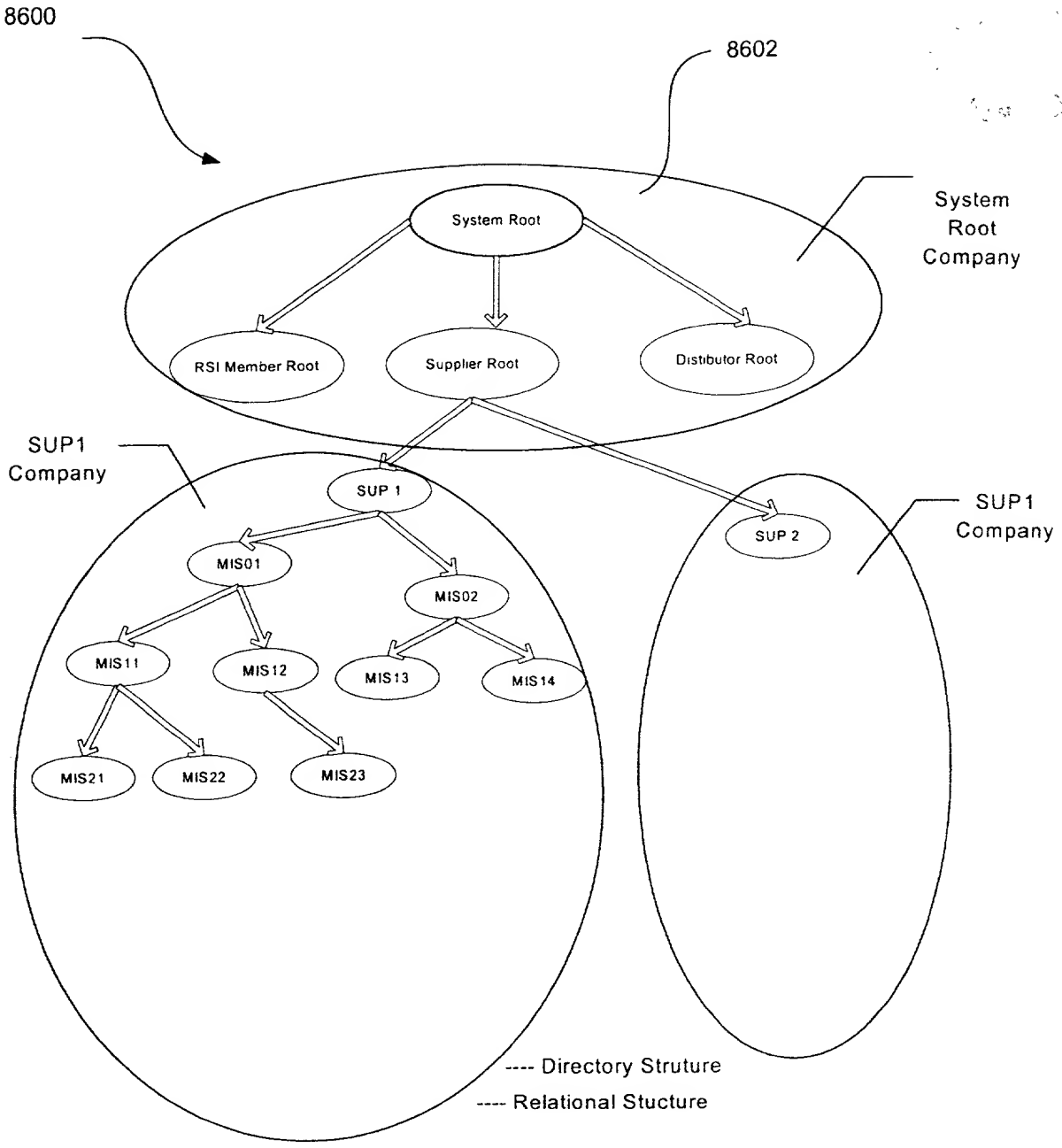
8600
8602
System Root
System Root Company
RSI Member Root
Supplier Root
Distibutor Root
SUP1 Company
SUP 1
SUP 2
SUP1 Company
MIS01
MIS02
MIS11
MIS12
MIS13
MIS14
MIS21
MIS22
MIS23
---- Directory Struture
---- Relational Stucture

Fig. 86

8700

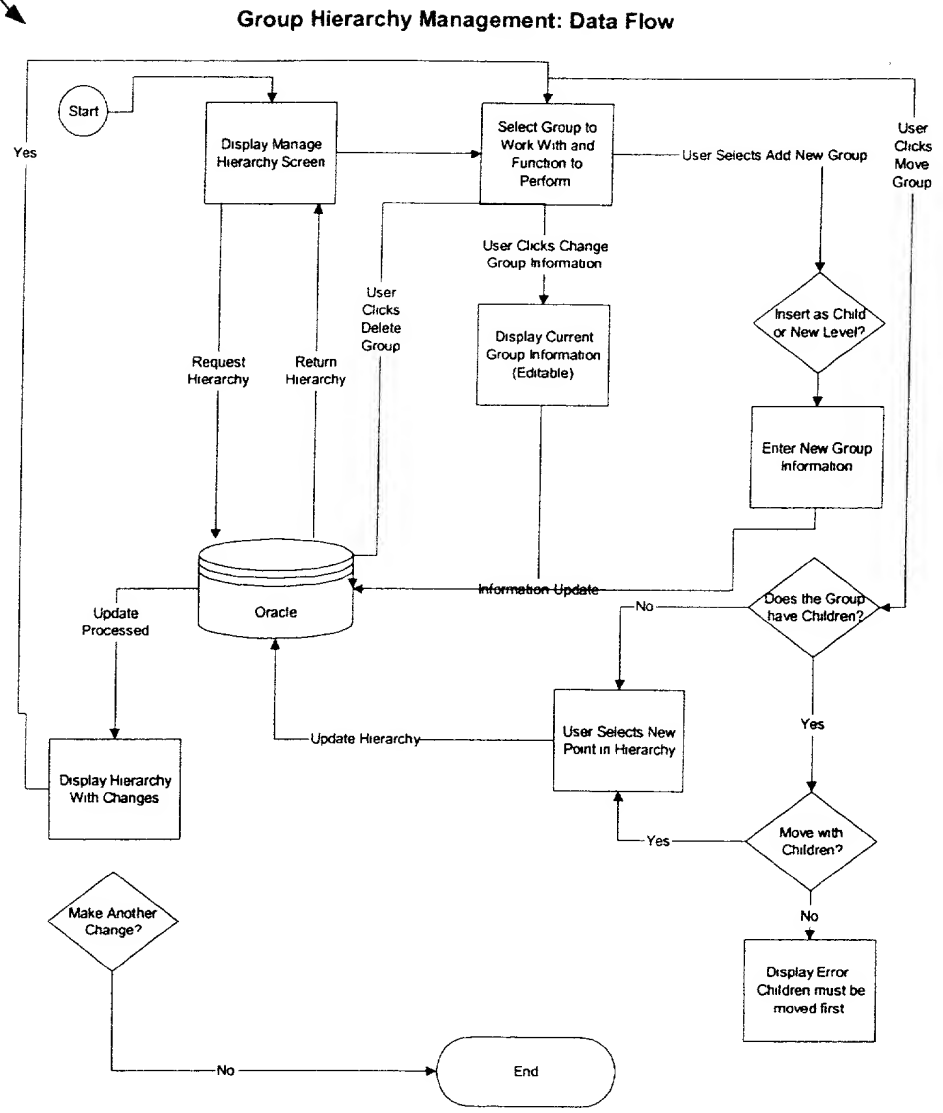
Group Hierarchy Management: Data Flow
Start
Display Manage Hierarchy Screen
Select Group to Work With and Function to Perform
User Selects Add New Group
User Clicks Move Group
User Clicks Change Group Information
User Clicks Delete Group
Request Hierarchy
Return Hierarchy
Display Current Group Information (Editable)
Insert as Child or New Level?
Enter New Group Information
Oracle
Information Update
Update Processed
Does the Group have Children?
No
Yes
Update Hierarchy
User Selects New Point in Hierarchy
Display Hierarchy With Changes
Move with Children?
Yes
No
Make Another Change?
Display Error Children must be moved first
No
End

Fig. 87

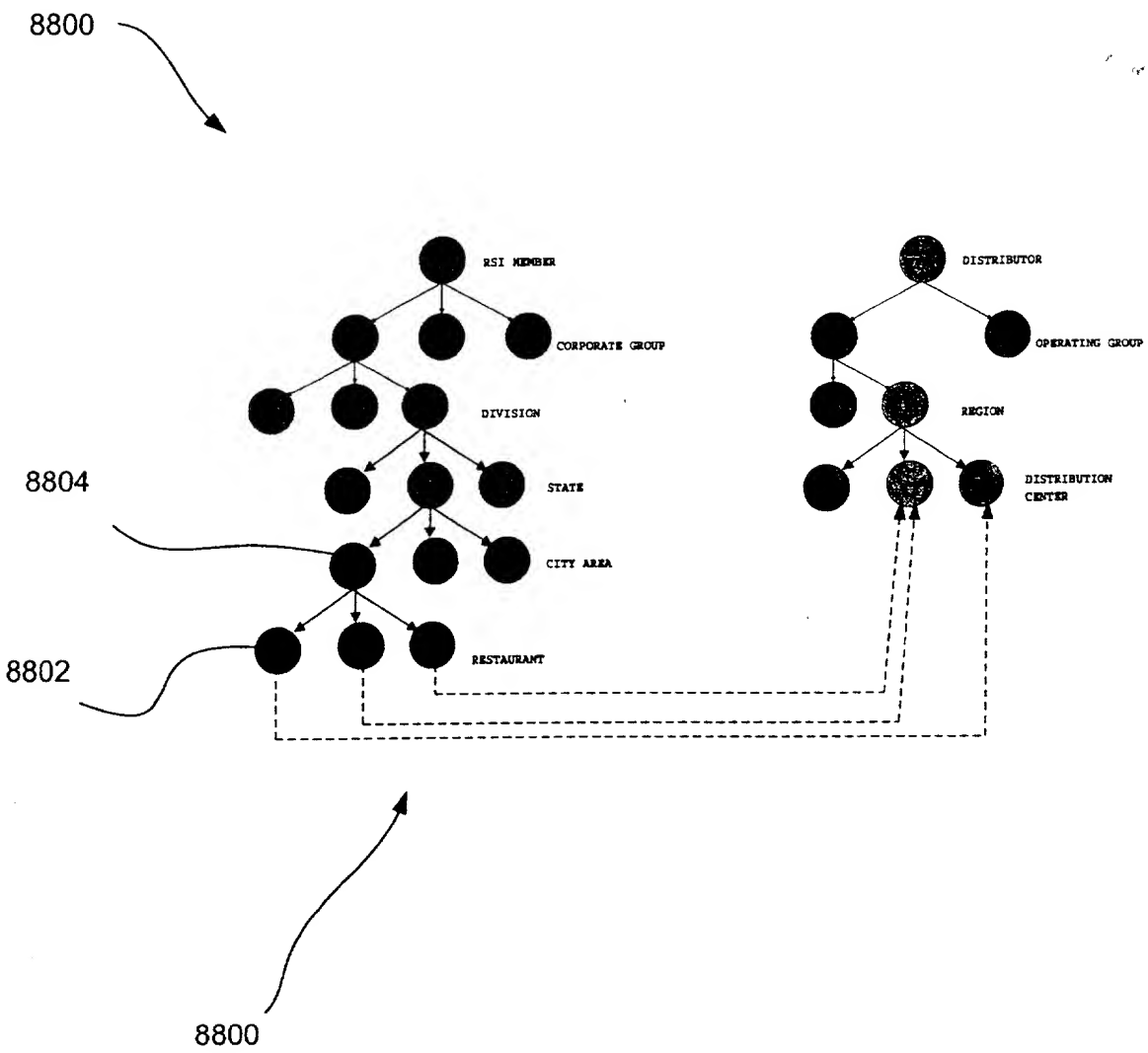
8800
RSI MEMBER
CORPORATE GROUP
DIVISION
STATE
CITY AREA
RESTAURANT
8804
8802
8800
DISTRIBUTOR
OPERATING GROUP
REGION
DISTRIBUTION CENTER

Fig. 88

8902

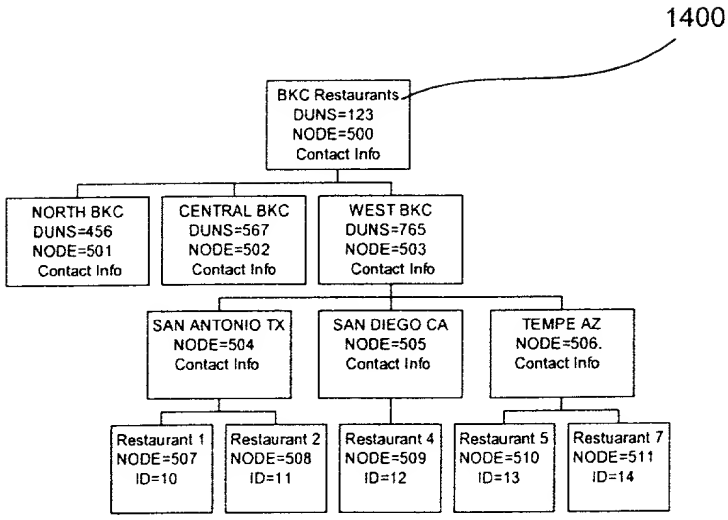
1400
BKC Restaurants
DUNS=123
NODE=500
Contact Info
NORTH BKC
DUNS=456
NODE=501
Contact Info
CENTRAL BKC
DUNS=567
NODE=502
Contact Info
WEST BKC
DUNS=765
NODE=503
Contact Info
SAN ANTONIO TX
NODE=504
Contact Info
SAN DIEGO CA
NODE=505
Contact Info
TEMPE AZ
NODE=506.
Contact Info
Restaurant 1
NODE=507
ID=10
Restaurant 2
NODE=508
ID=11
Restaurant 4
NODE=509
ID=12
Restaurant 5
NODE=510
ID=13
Restuarant 7
NODE=511
ID=14

Fig. 89

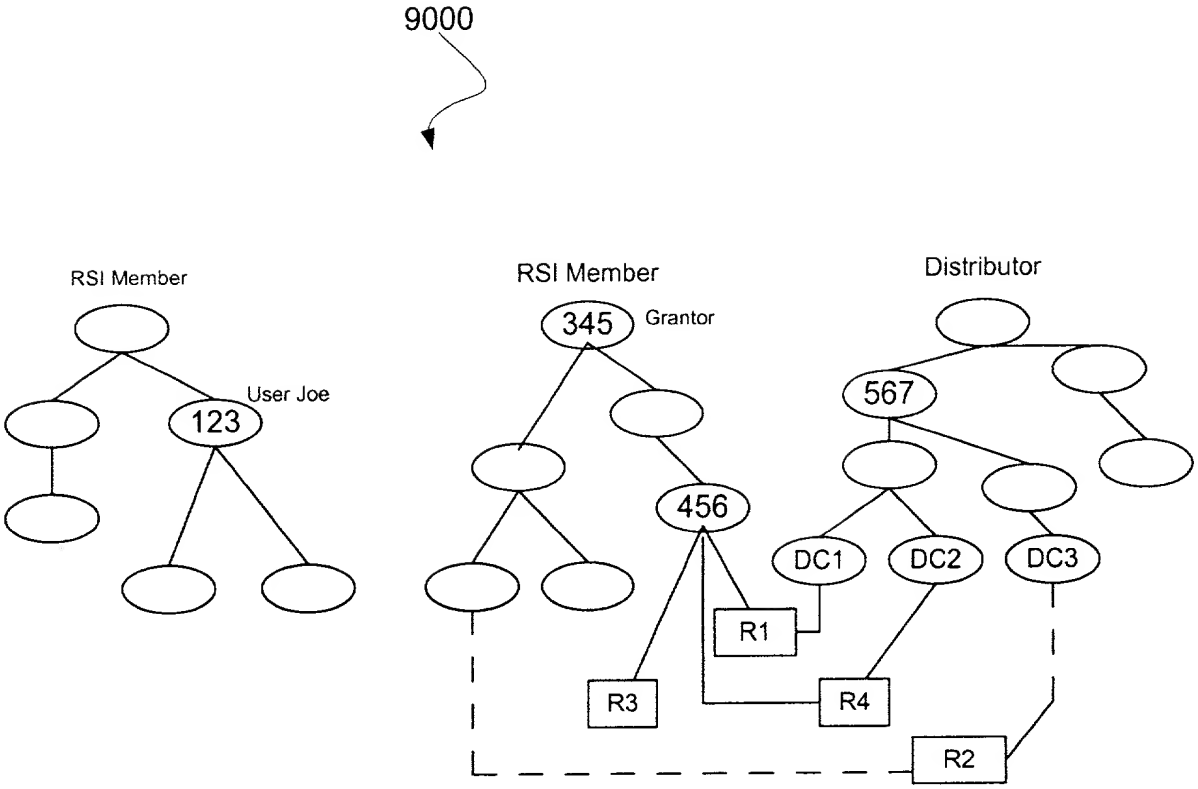
9000
RSI Member
User Joe
123
RSI Member
345
Grantor
456
Distributor
567
DC1
DC2
DC3
R1
R3
R4
R2

FIG. 90

9100

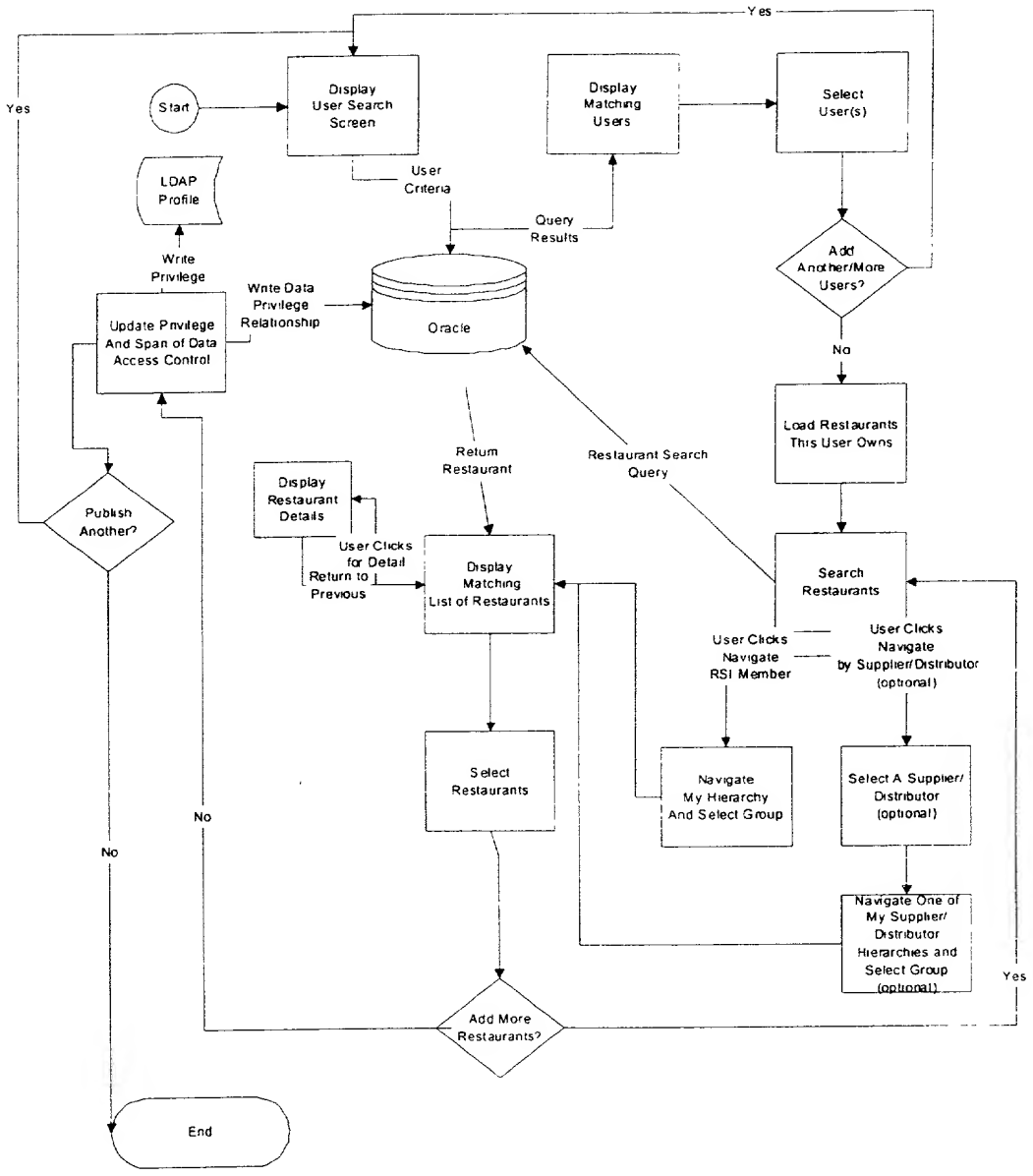
Yes
Start
Display User Search Screen
Display Matching Users
Select User(s)
Yes
LDAP Profile
User Criteria
Query Results
Write Privilege
Write Data Privilege Relationship
Update Privilege And Span of Data Access Control
Oracle
Add Another/More Users?
No
Load Restaurants This User Owns
Return Restaurant
Restaurant Search Query
Display Restaurant Details
Publish Another?
User Clicks for Detail Return to Previous
Display Matching List of Restaurants
Search Restaurants
User Clicks Navigate RSI Member
User Clicks Navigate by Supplier/Distributor (optional)
Select Restaurants
Navigate My Hierarchy And Select Group
Select A Supplier/ Distributor (optional)
No
No
Navigate One of My Supplier/ Distributor Hierarchies and Select Group (optional)
Yes
Add More Restaurants?
End

Fig. 91

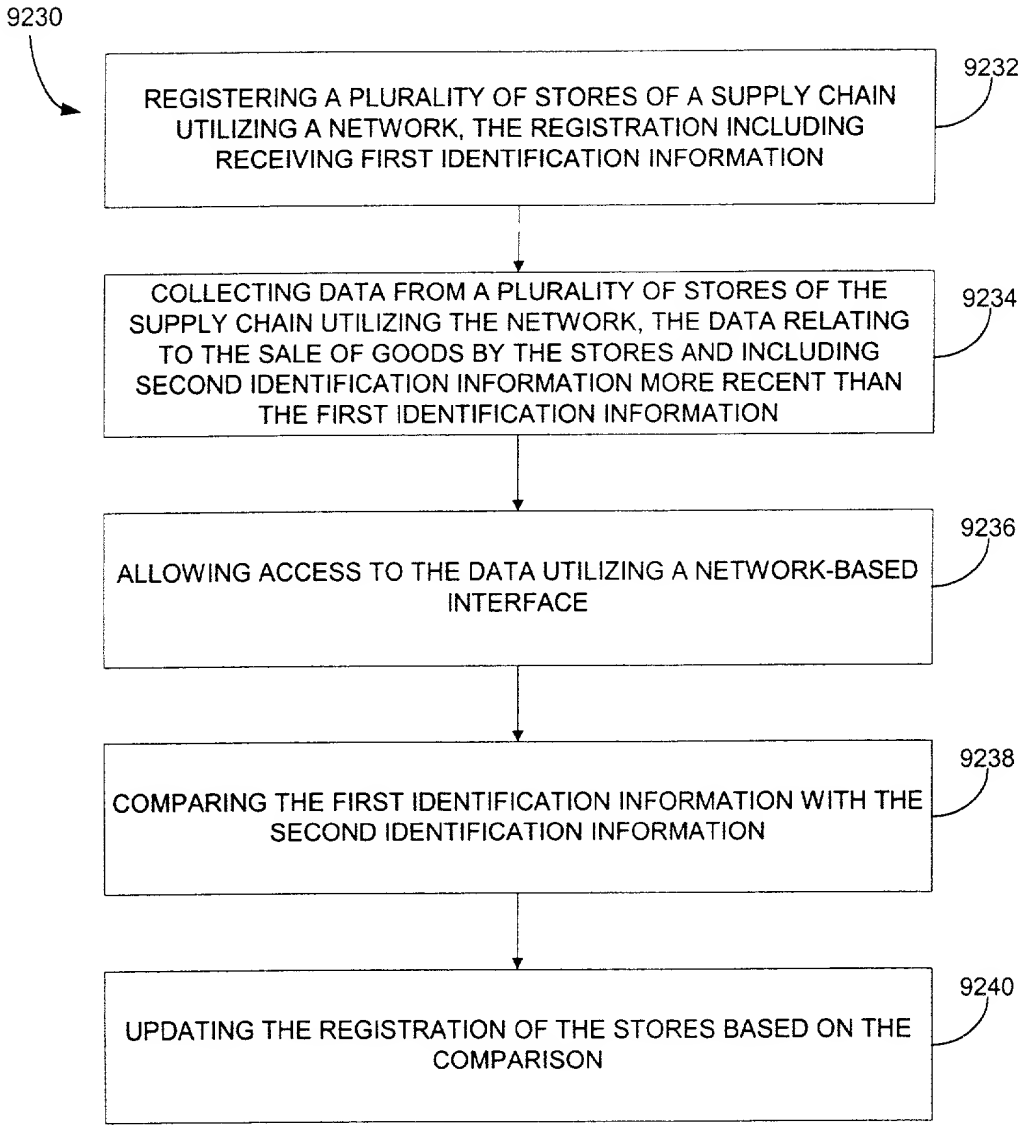
9230
REGISTERING A PLURALITY OF STORES OF A SUPPLY CHAIN UTILIZING A NETWORK, THE REGISTRATION INCLUDING RECEIVING FIRST IDENTIFICATION INFORMATION
9232
COLLECTING DATA FROM A PLURALITY OF STORES OF THE SUPPLY CHAIN UTILIZING THE NETWORK, THE DATA RELATING TO THE SALE OF GOODS BY THE STORES AND INCLUDING SECOND IDENTIFICATION INFORMATION MORE RECENT THAN THE FIRST IDENTIFICATION INFORMATION
9234
ALLOWING ACCESS TO THE DATA UTILIZING A NETWORK-BASED INTERFACE
9236
COMPARING THE FIRST IDENTIFICATION INFORMATION WITH THE SECOND IDENTIFICATION INFORMATION
9238
UPDATING THE REGISTRATION OF THE STORES BASED ON THE COMPARISON
9240

FIG. 92

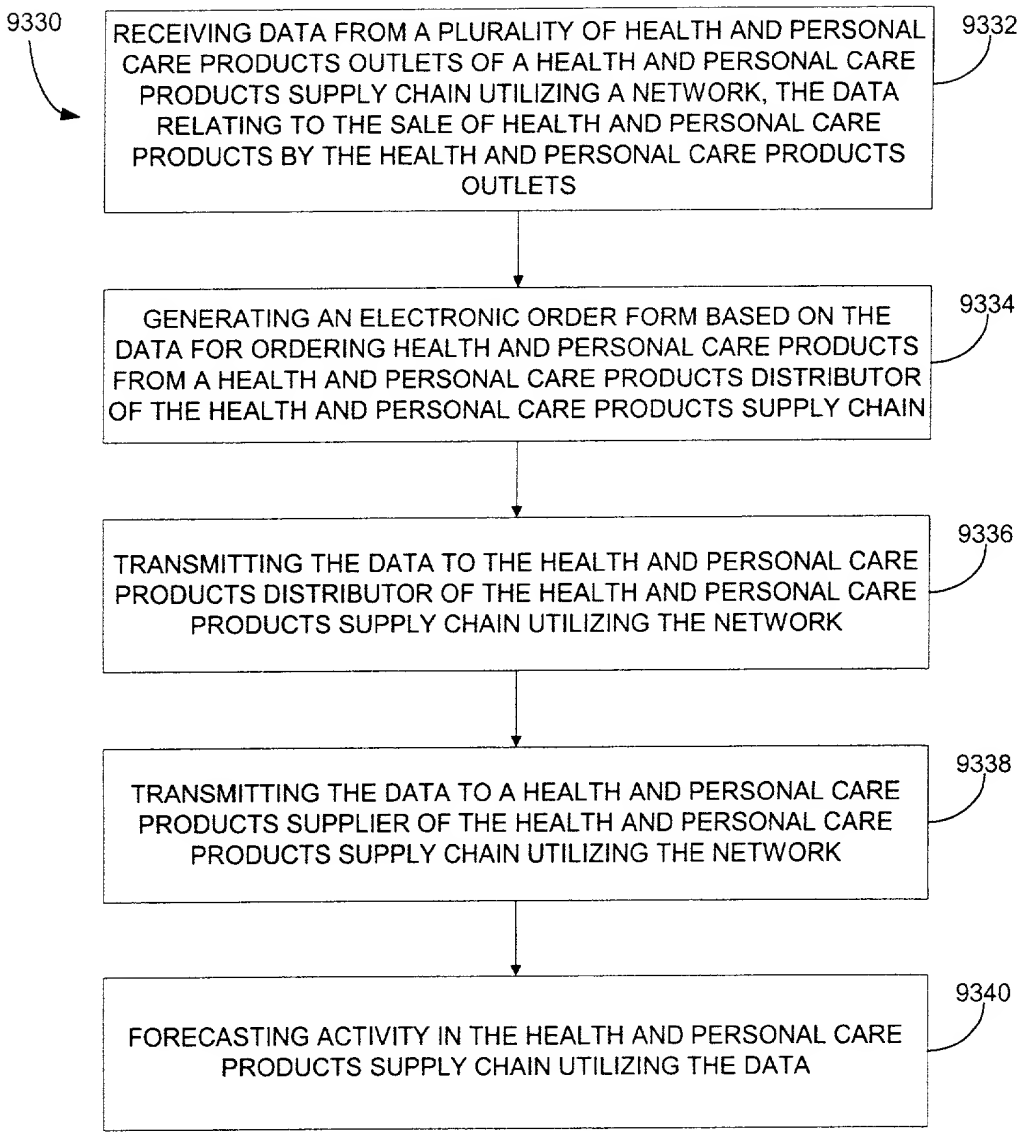
9330
RECEIVING DATA FROM A PLURALITY OF HEALTH AND PERSONAL CARE PRODUCTS OUTLETS OF A HEALTH AND PERSONAL CARE PRODUCTS SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF HEALTH AND PERSONAL CARE PRODUCTS BY THE HEALTH AND PERSONAL CARE PRODUCTS OUTLETS
9332
GENERATING AN ELECTRONIC ORDER FORM BASED ON THE DATA FOR ORDERING HEALTH AND PERSONAL CARE PRODUCTS FROM A HEALTH AND PERSONAL CARE PRODUCTS DISTRIBUTOR OF THE HEALTH AND PERSONAL CARE PRODUCTS SUPPLY CHAIN
9334
TRANSMITTING THE DATA TO THE HEALTH AND PERSONAL CARE PRODUCTS DISTRIBUTOR OF THE HEALTH AND PERSONAL CARE PRODUCTS SUPPLY CHAIN UTILIZING THE NETWORK
9336
TRANSMITTING THE DATA TO A HEALTH AND PERSONAL CARE PRODUCTS SUPPLIER OF THE HEALTH AND PERSONAL CARE PRODUCTS SUPPLY CHAIN UTILIZING THE NETWORK
9338
FORECASTING ACTIVITY IN THE HEALTH AND PERSONAL CARE PRODUCTS SUPPLY CHAIN UTILIZING THE DATA
9340

FIG. 93

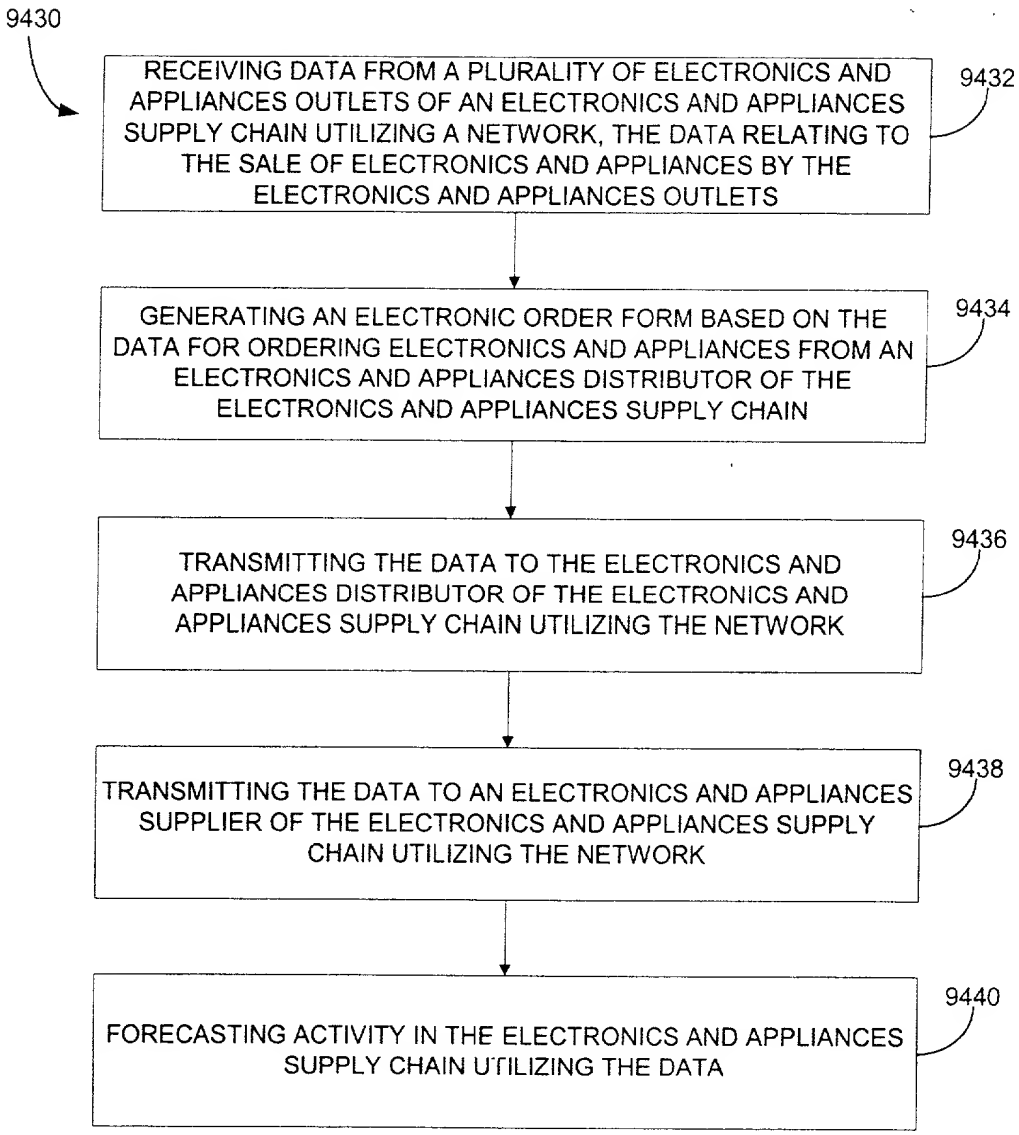
9430
RECEIVING DATA FROM A PLURALITY OF ELECTRONICS AND APPLIANCES OUTLETS OF AN ELECTRONICS AND APPLIANCES SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF ELECTRONICS AND APPLIANCES BY THE ELECTRONICS AND APPLIANCES OUTLETS
9432
GENERATING AN ELECTRONIC ORDER FORM BASED ON THE DATA FOR ORDERING ELECTRONICS AND APPLIANCES FROM AN ELECTRONICS AND APPLIANCES DISTRIBUTOR OF THE ELECTRONICS AND APPLIANCES SUPPLY CHAIN
9434
TRANSMITTING THE DATA TO THE ELECTRONICS AND APPLIANCES DISTRIBUTOR OF THE ELECTRONICS AND APPLIANCES SUPPLY CHAIN UTILIZING THE NETWORK
9436
TRANSMITTING THE DATA TO AN ELECTRONICS AND APPLIANCES SUPPLIER OF THE ELECTRONICS AND APPLIANCES SUPPLY CHAIN UTILIZING THE NETWORK
9438
FORECASTING ACTIVITY IN THE ELECTRONICS AND APPLIANCES SUPPLY CHAIN UTILIZING THE DATA
9440

FIG. 94

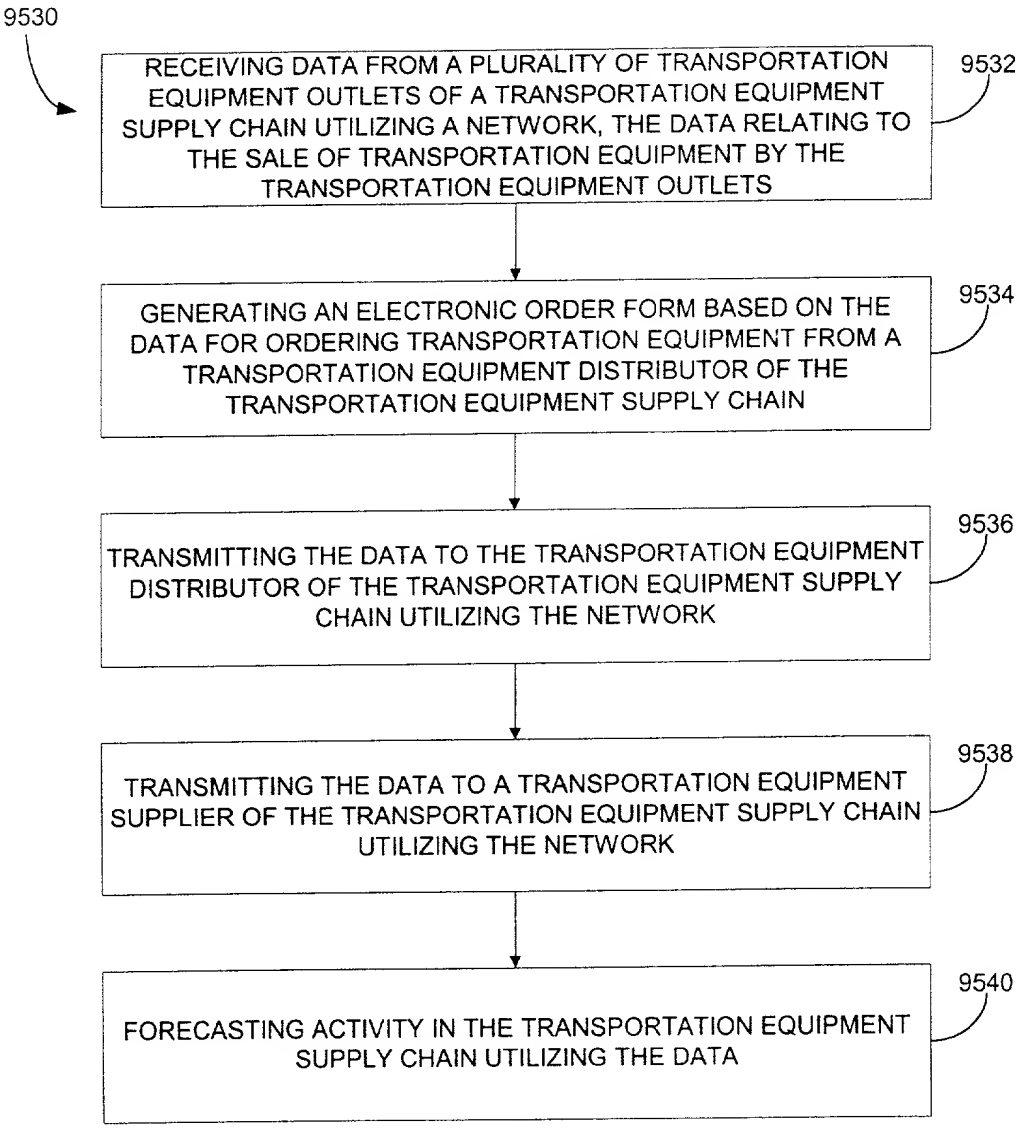
9530
RECEIVING DATA FROM A PLURALITY OF TRANSPORTATION EQUIPMENT OUTLETS OF A TRANSPORTATION EQUIPMENT SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF TRANSPORTATION EQUIPMENT BY THE TRANSPORTATION EQUIPMENT OUTLETS
9532
GENERATING AN ELECTRONIC ORDER FORM BASED ON THE DATA FOR ORDERING TRANSPORTATION EQUIPMENT FROM A TRANSPORTATION EQUIPMENT DISTRIBUTOR OF THE TRANSPORTATION EQUIPMENT SUPPLY CHAIN
9534
TRANSMITTING THE DATA TO THE TRANSPORTATION EQUIPMENT DISTRIBUTOR OF THE TRANSPORTATION EQUIPMENT SUPPLY CHAIN UTILIZING THE NETWORK
9536
TRANSMITTING THE DATA TO A TRANSPORTATION EQUIPMENT SUPPLIER OF THE TRANSPORTATION EQUIPMENT SUPPLY CHAIN UTILIZING THE NETWORK
9538
FORECASTING ACTIVITY IN THE TRANSPORTATION EQUIPMENT SUPPLY CHAIN UTILIZING THE DATA
9540

FIG. 95

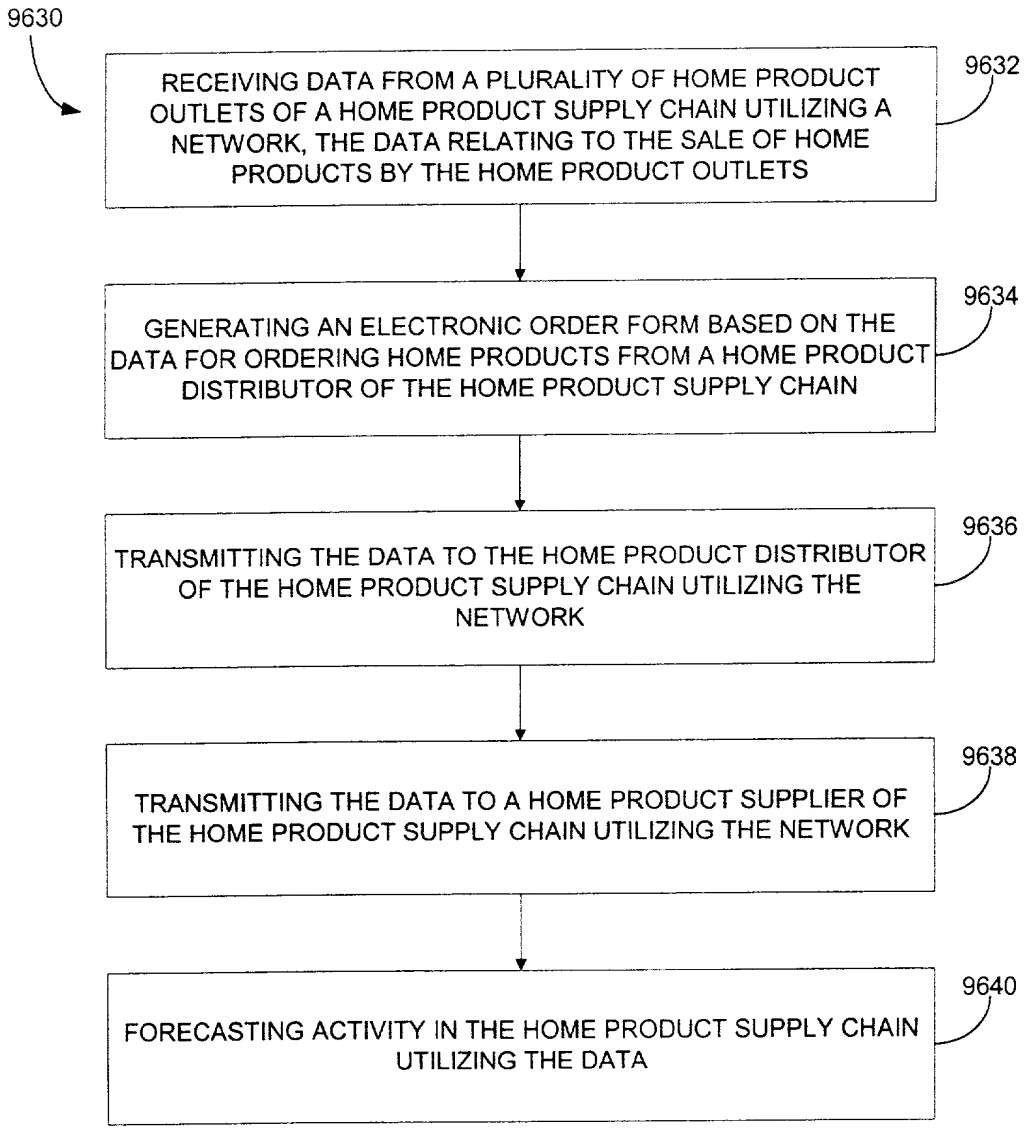
9630
RECEIVING DATA FROM A PLURALITY OF HOME PRODUCT OUTLETS OF A HOME PRODUCT SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF HOME PRODUCTS BY THE HOME PRODUCT OUTLETS
9632
GENERATING AN ELECTRONIC ORDER FORM BASED ON THE DATA FOR ORDERING HOME PRODUCTS FROM A HOME PRODUCT DISTRIBUTOR OF THE HOME PRODUCT SUPPLY CHAIN
9634
TRANSMITTING THE DATA TO THE HOME PRODUCT DISTRIBUTOR OF THE HOME PRODUCT SUPPLY CHAIN UTILIZING THE NETWORK
9636
TRANSMITTING THE DATA TO A HOME PRODUCT SUPPLIER OF THE HOME PRODUCT SUPPLY CHAIN UTILIZING THE NETWORK
9638
FORECASTING ACTIVITY IN THE HOME PRODUCT SUPPLY CHAIN UTILIZING THE DATA
9640

FIG. 96

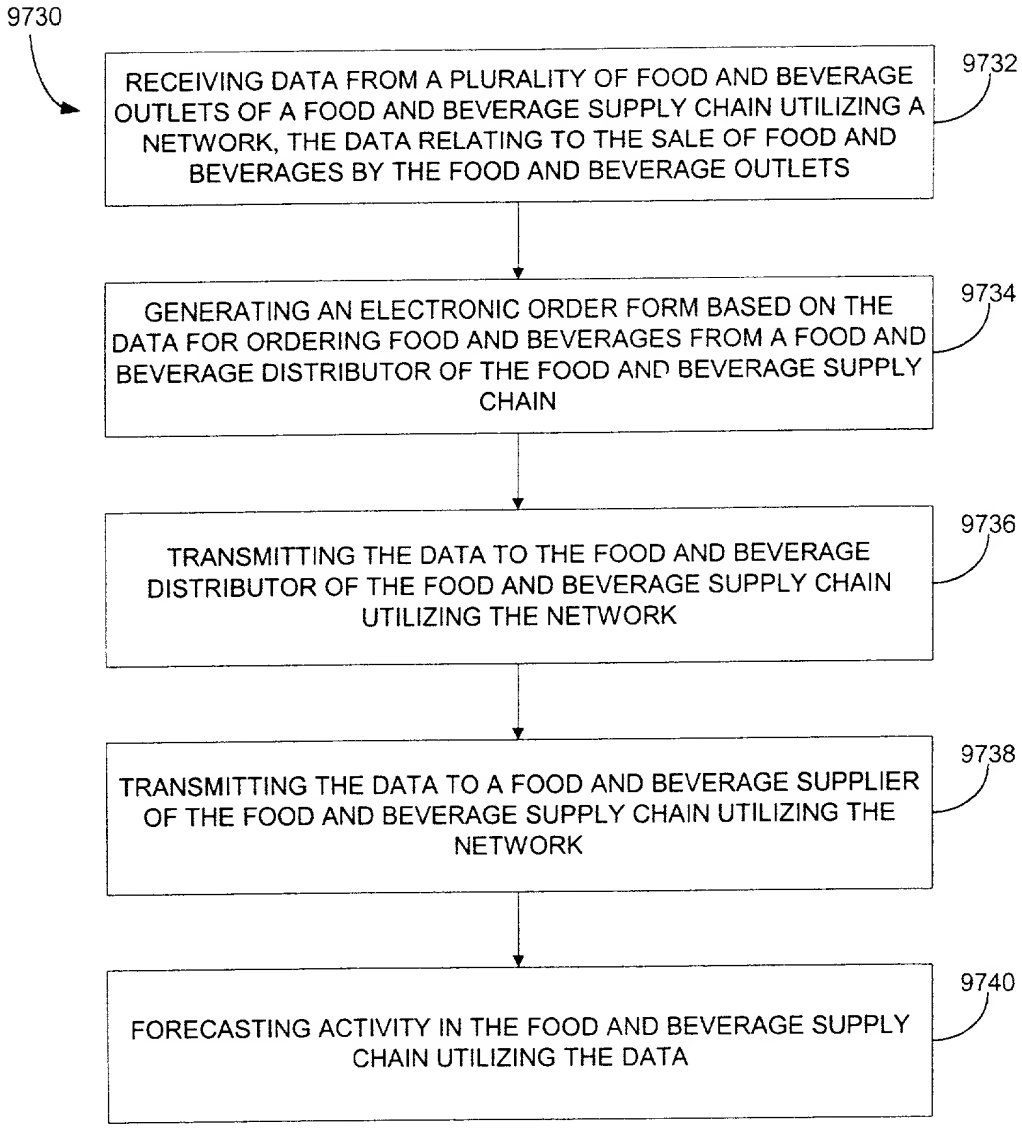
9730
RECEIVING DATA FROM A PLURALITY OF FOOD AND BEVERAGE OUTLETS OF A FOOD AND BEVERAGE SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF FOOD AND BEVERAGES BY THE FOOD AND BEVERAGE OUTLETS
9732
GENERATING AN ELECTRONIC ORDER FORM BASED ON THE DATA FOR ORDERING FOOD AND BEVERAGES FROM A FOOD AND BEVERAGE DISTRIBUTOR OF THE FOOD AND BEVERAGE SUPPLY CHAIN
9734
TRANSMITTING THE DATA TO THE FOOD AND BEVERAGE DISTRIBUTOR OF THE FOOD AND BEVERAGE SUPPLY CHAIN UTILIZING THE NETWORK
9736
TRANSMITTING THE DATA TO A FOOD AND BEVERAGE SUPPLIER OF THE FOOD AND BEVERAGE SUPPLY CHAIN UTILIZING THE NETWORK
9738
FORECASTING ACTIVITY IN THE FOOD AND BEVERAGE SUPPLY CHAIN UTILIZING THE DATA
9740

FIG. 97

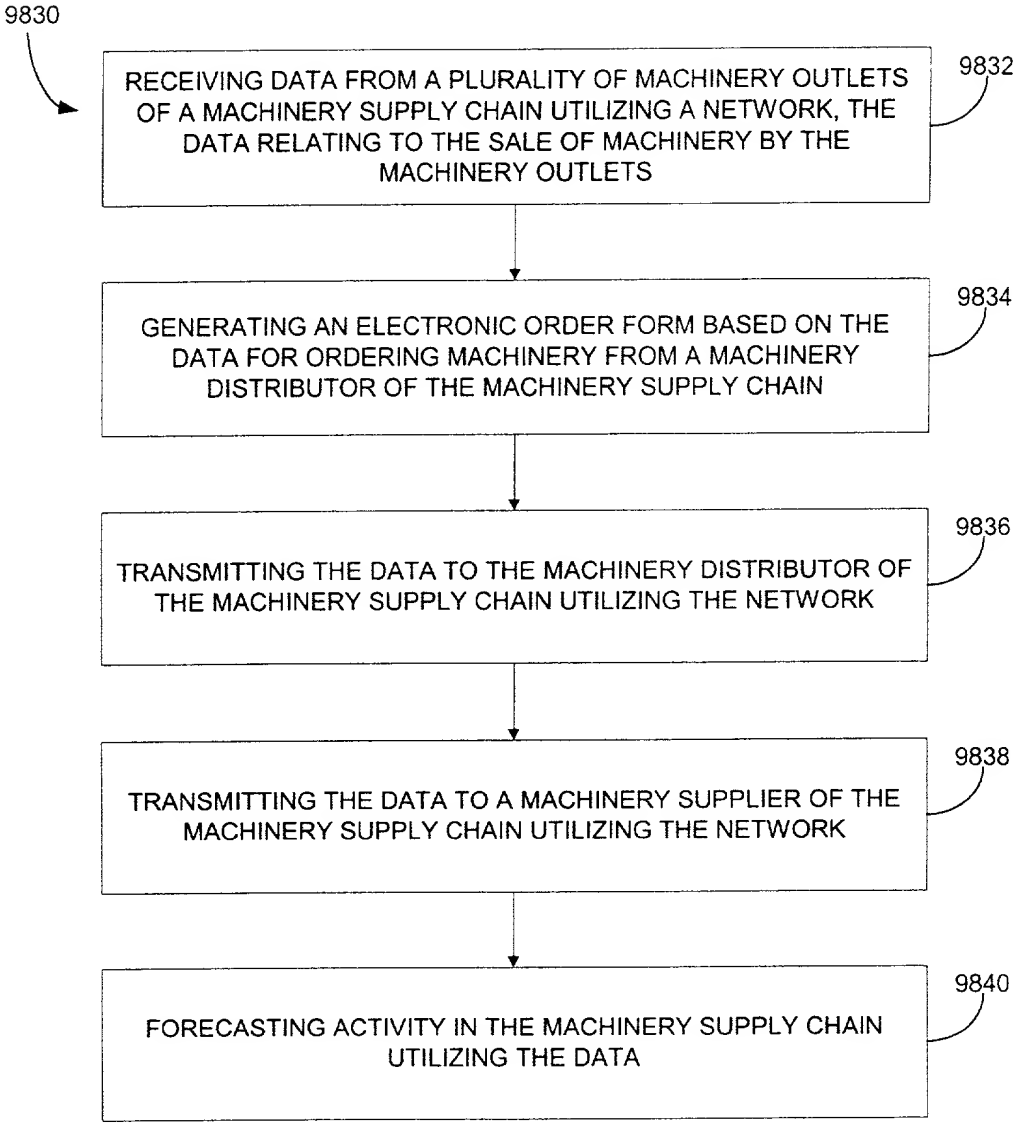
9830
RECEIVING DATA FROM A PLURALITY OF MACHINERY OUTLETS OF A MACHINERY SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF MACHINERY BY THE MACHINERY OUTLETS
9832
GENERATING AN ELECTRONIC ORDER FORM BASED ON THE DATA FOR ORDERING MACHINERY FROM A MACHINERY DISTRIBUTOR OF THE MACHINERY SUPPLY CHAIN
9834
TRANSMITTING THE DATA TO THE MACHINERY DISTRIBUTOR OF THE MACHINERY SUPPLY CHAIN UTILIZING THE NETWORK
9836
TRANSMITTING THE DATA TO A MACHINERY SUPPLIER OF THE MACHINERY SUPPLY CHAIN UTILIZING THE NETWORK
9838
FORECASTING ACTIVITY IN THE MACHINERY SUPPLY CHAIN UTILIZING THE DATA
9840

FIG. 98

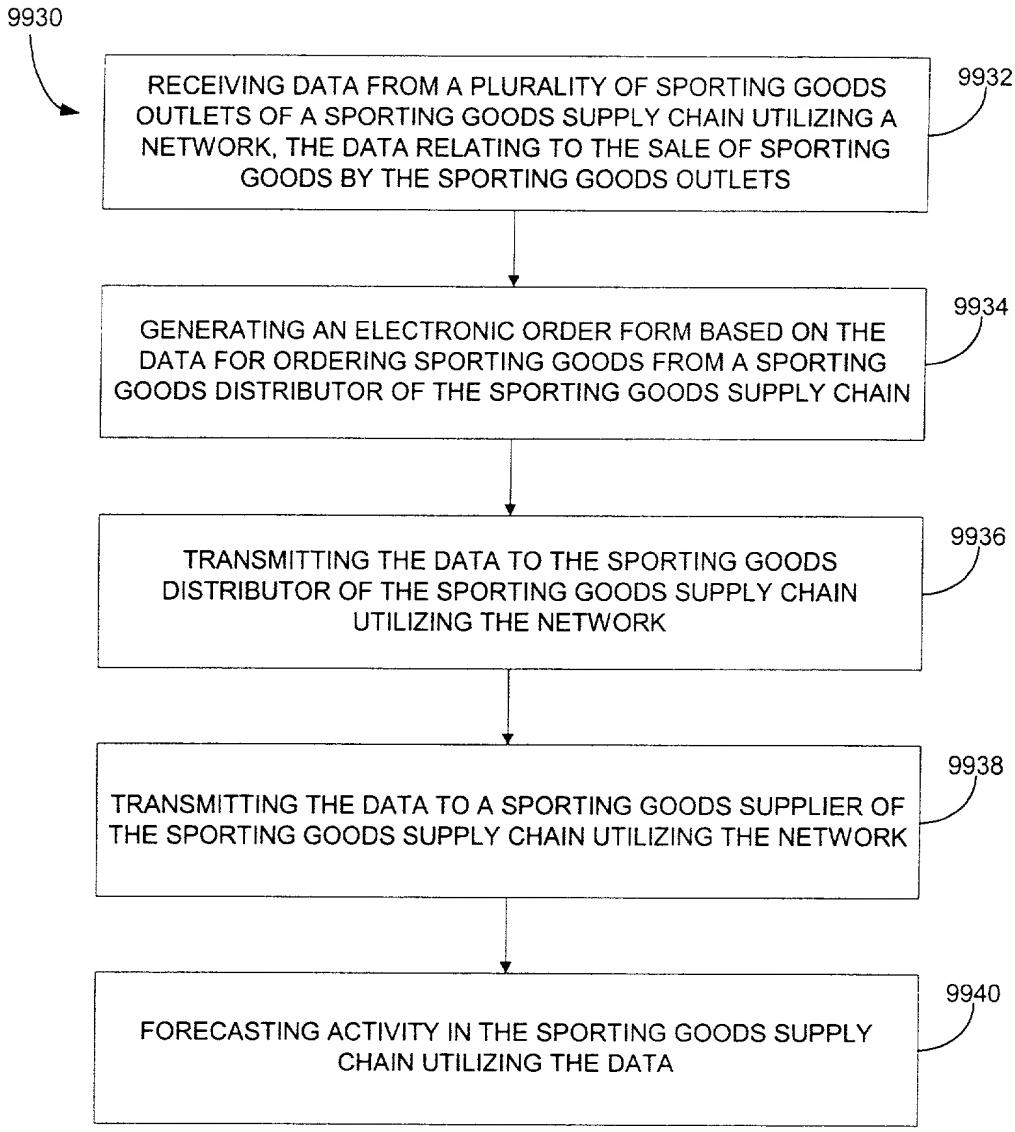
9930
RECEIVING DATA FROM A PLURALITY OF SPORTING GOODS OUTLETS OF A SPORTING GOODS SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF SPORTING GOODS BY THE SPORTING GOODS OUTLETS
9932
GENERATING AN ELECTRONIC ORDER FORM BASED ON THE DATA FOR ORDERING SPORTING GOODS FROM A SPORTING GOODS DISTRIBUTOR OF THE SPORTING GOODS SUPPLY CHAIN
9934
TRANSMITTING THE DATA TO THE SPORTING GOODS DISTRIBUTOR OF THE SPORTING GOODS SUPPLY CHAIN UTILIZING THE NETWORK
9936
TRANSMITTING THE DATA TO A SPORTING GOODS SUPPLIER OF THE SPORTING GOODS SUPPLY CHAIN UTILIZING THE NETWORK
9938
FORECASTING ACTIVITY IN THE SPORTING GOODS SUPPLY CHAIN UTILIZING THE DATA
9940

FIG. 99

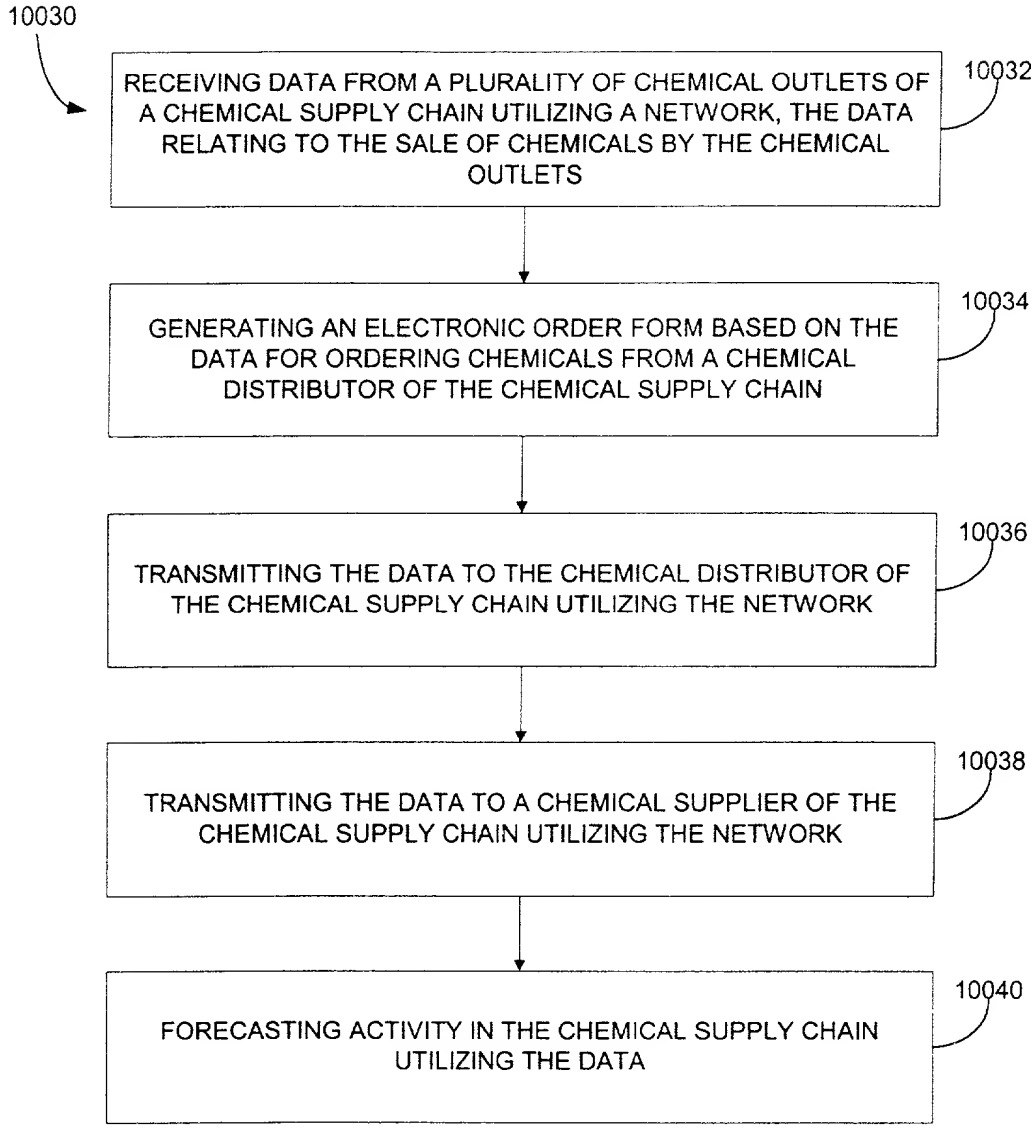
10030
RECEIVING DATA FROM A PLURALITY OF CHEMICAL OUTLETS OF A CHEMICAL SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF CHEMICALS BY THE CHEMICAL OUTLETS
10032
GENERATING AN ELECTRONIC ORDER FORM BASED ON THE DATA FOR ORDERING CHEMICALS FROM A CHEMICAL DISTRIBUTOR OF THE CHEMICAL SUPPLY CHAIN
10034
TRANSMITTING THE DATA TO THE CHEMICAL DISTRIBUTOR OF THE CHEMICAL SUPPLY CHAIN UTILIZING THE NETWORK
10036
TRANSMITTING THE DATA TO A CHEMICAL SUPPLIER OF THE CHEMICAL SUPPLY CHAIN UTILIZING THE NETWORK
10038
FORECASTING ACTIVITY IN THE CHEMICAL SUPPLY CHAIN UTILIZING THE DATA
10040

FIG. 100

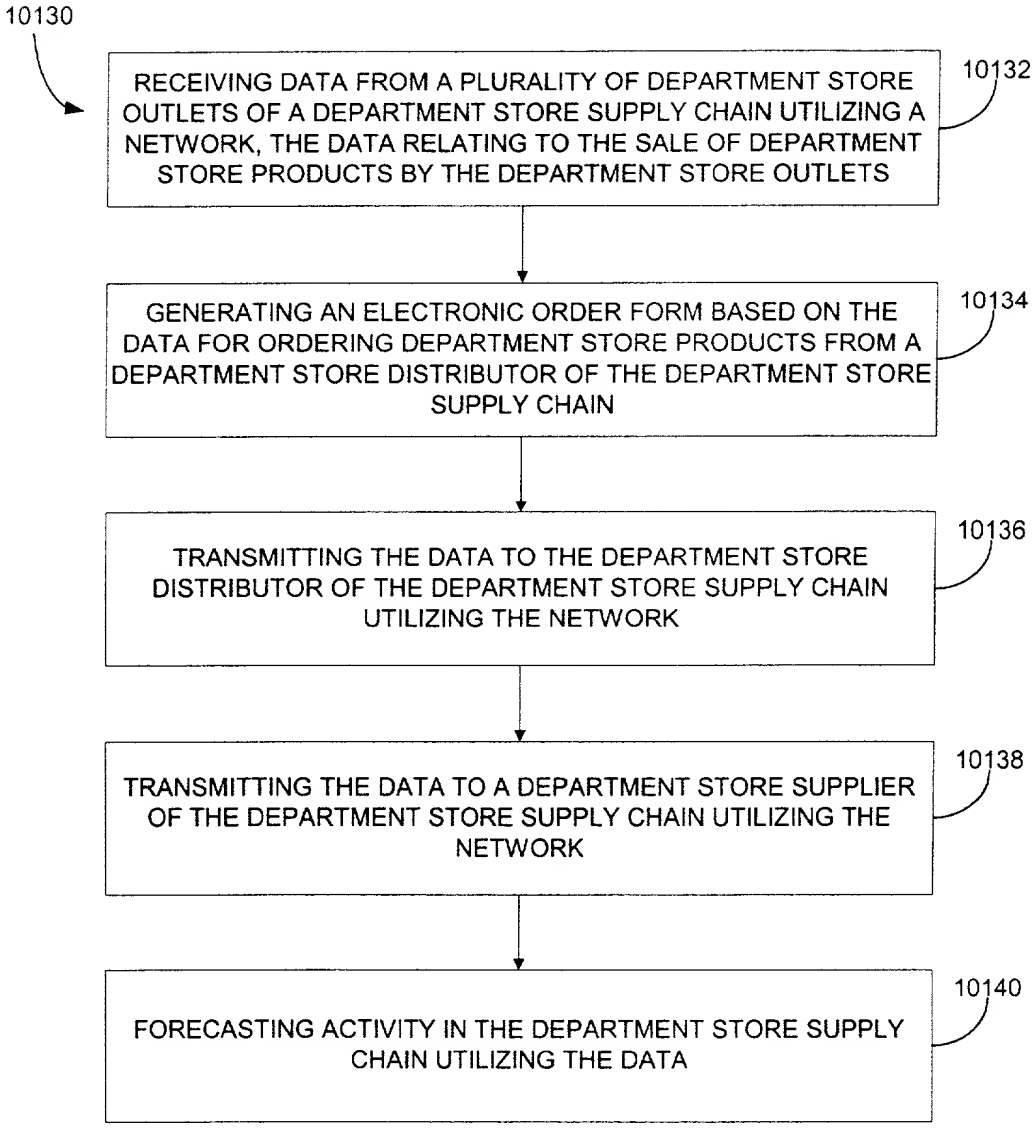
10130
RECEIVING DATA FROM A PLURALITY OF DEPARTMENT STORE OUTLETS OF A DEPARTMENT STORE SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF DEPARTMENT STORE PRODUCTS BY THE DEPARTMENT STORE OUTLETS
10132
GENERATING AN ELECTRONIC ORDER FORM BASED ON THE DATA FOR ORDERING DEPARTMENT STORE PRODUCTS FROM A DEPARTMENT STORE DISTRIBUTOR OF THE DEPARTMENT STORE SUPPLY CHAIN
10134
TRANSMITTING THE DATA TO THE DEPARTMENT STORE DISTRIBUTOR OF THE DEPARTMENT STORE SUPPLY CHAIN UTILIZING THE NETWORK
10136
TRANSMITTING THE DATA TO A DEPARTMENT STORE SUPPLIER OF THE DEPARTMENT STORE SUPPLY CHAIN UTILIZING THE NETWORK
10138
FORECASTING ACTIVITY IN THE DEPARTMENT STORE SUPPLY CHAIN UTILIZING THE DATA
10140

FIG. 101

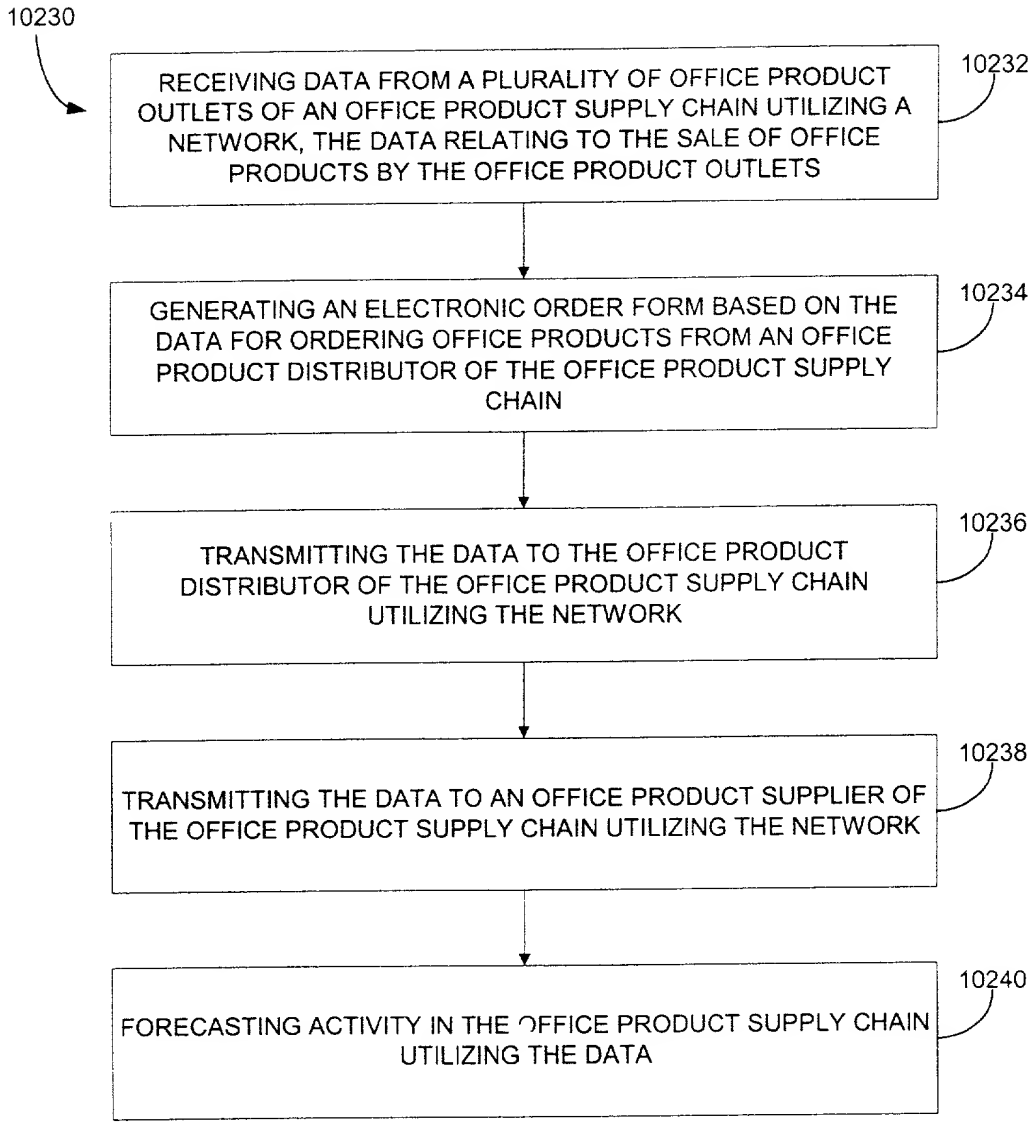
10230
RECEIVING DATA FROM A PLURALITY OF OFFICE PRODUCT OUTLETS OF AN OFFICE PRODUCT SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF OFFICE PRODUCTS BY THE OFFICE PRODUCT OUTLETS
10232
GENERATING AN ELECTRONIC ORDER FORM BASED ON THE DATA FOR ORDERING OFFICE PRODUCTS FROM AN OFFICE PRODUCT DISTRIBUTOR OF THE OFFICE PRODUCT SUPPLY CHAIN
10234
TRANSMITTING THE DATA TO THE OFFICE PRODUCT DISTRIBUTOR OF THE OFFICE PRODUCT SUPPLY CHAIN UTILIZING THE NETWORK
10236
TRANSMITTING THE DATA TO AN OFFICE PRODUCT SUPPLIER OF THE OFFICE PRODUCT SUPPLY CHAIN UTILIZING THE NETWORK
10238
FORECASTING ACTIVITY IN THE OFFICE PRODUCT SUPPLY CHAIN UTILIZING THE DATA
10240

FIG. 102A

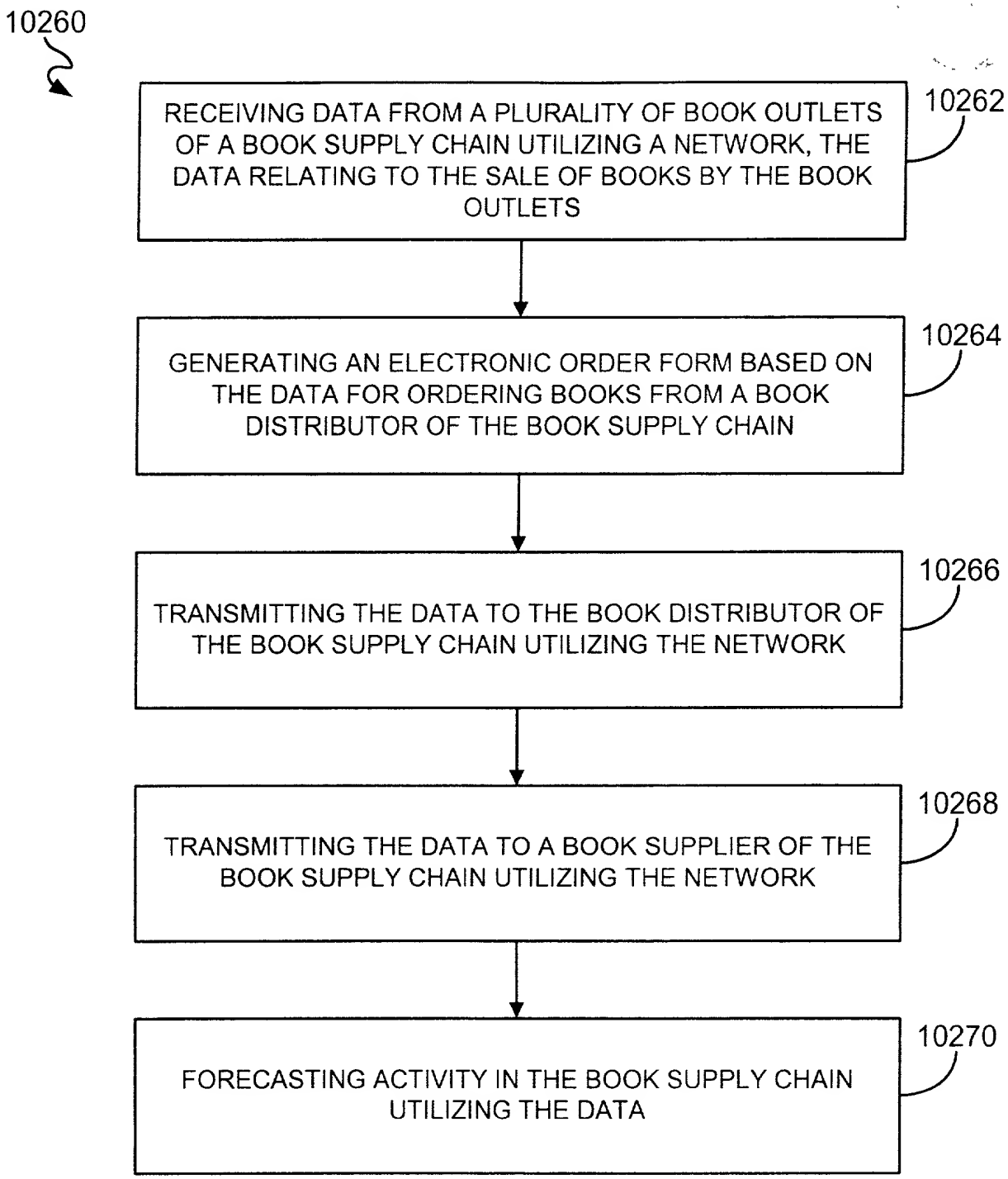
10260
RECEIVING DATA FROM A PLURALITY OF BOOK OUTLETS OF A BOOK SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF BOOKS BY THE BOOK OUTLETS
10262
GENERATING AN ELECTRONIC ORDER FORM BASED ON THE DATA FOR ORDERING BOOKS FROM A BOOK DISTRIBUTOR OF THE BOOK SUPPLY CHAIN
10264
TRANSMITTING THE DATA TO THE BOOK DISTRIBUTOR OF THE BOOK SUPPLY CHAIN UTILIZING THE NETWORK
10266
TRANSMITTING THE DATA TO A BOOK SUPPLIER OF THE BOOK SUPPLY CHAIN UTILIZING THE NETWORK
10268
FORECASTING ACTIVITY IN THE BOOK SUPPLY CHAIN UTILIZING THE DATA
10270

FIG. 102B

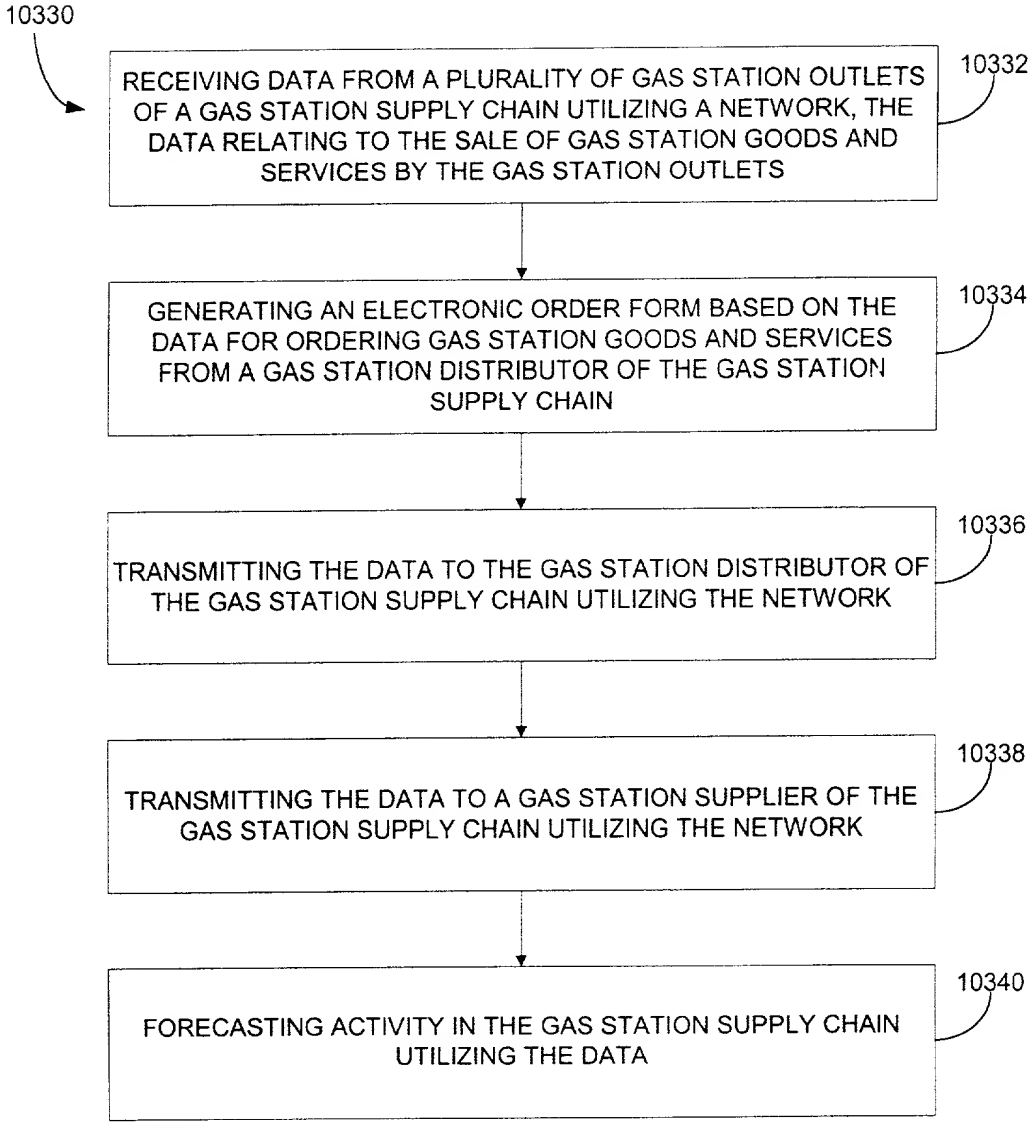
10330
RECEIVING DATA FROM A PLURALITY OF GAS STATION OUTLETS OF A GAS STATION SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF GAS STATION GOODS AND SERVICES BY THE GAS STATION OUTLETS
10332
GENERATING AN ELECTRONIC ORDER FORM BASED ON THE DATA FOR ORDERING GAS STATION GOODS AND SERVICES FROM A GAS STATION DISTRIBUTOR OF THE GAS STATION SUPPLY CHAIN
10334
TRANSMITTING THE DATA TO THE GAS STATION DISTRIBUTOR OF THE GAS STATION SUPPLY CHAIN UTILIZING THE NETWORK
10336
TRANSMITTING THE DATA TO A GAS STATION SUPPLIER OF THE GAS STATION SUPPLY CHAIN UTILIZING THE NETWORK
10338
FORECASTING ACTIVITY IN THE GAS STATION SUPPLY CHAIN UTILIZING THE DATA
10340

FIG. 103

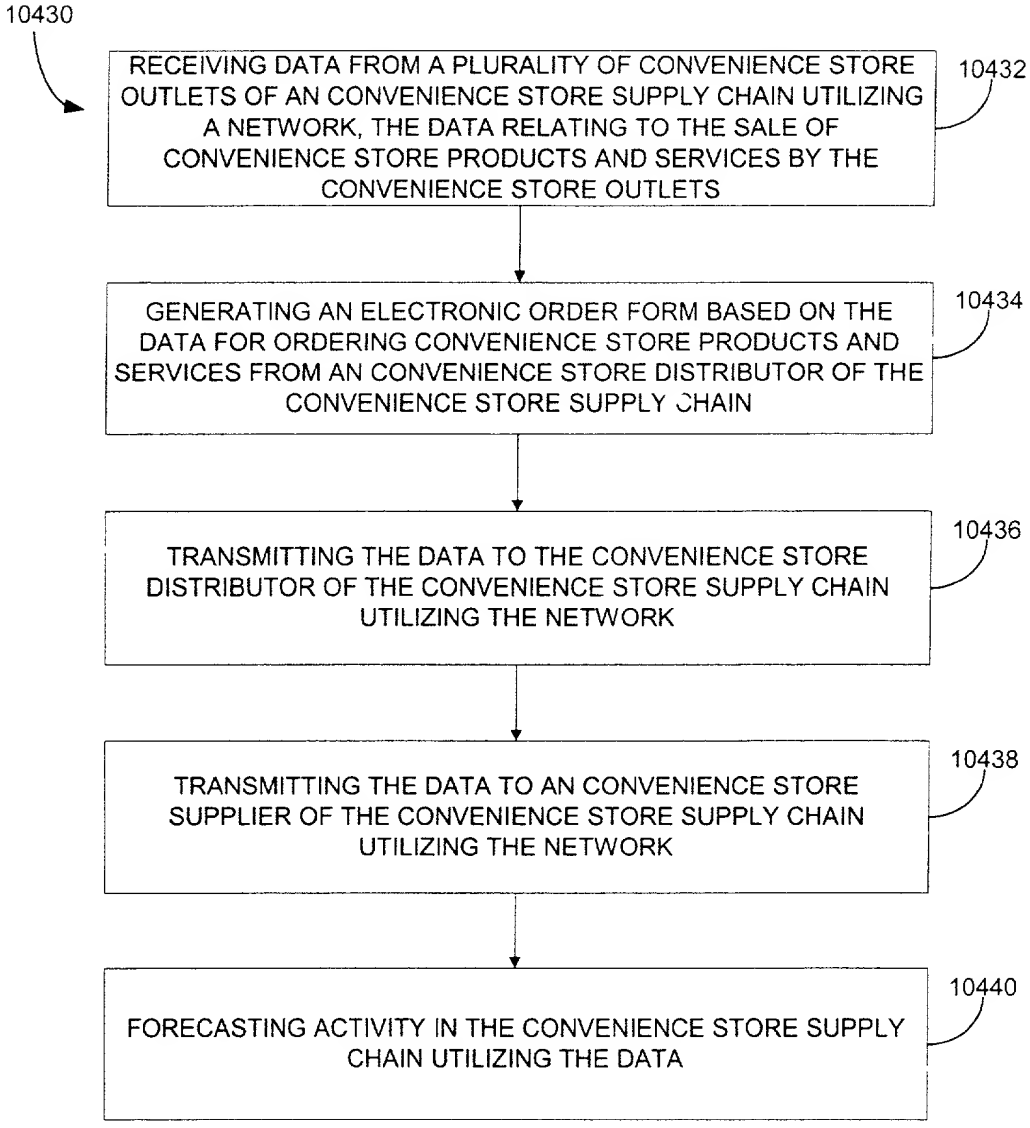
10430
RECEIVING DATA FROM A PLURALITY OF CONVENIENCE STORE OUTLETS OF AN CONVENIENCE STORE SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF CONVENIENCE STORE PRODUCTS AND SERVICES BY THE CONVENIENCE STORE OUTLETS
10432
GENERATING AN ELECTRONIC ORDER FORM BASED ON THE DATA FOR ORDERING CONVENIENCE STORE PRODUCTS AND SERVICES FROM AN CONVENIENCE STORE DISTRIBUTOR OF THE CONVENIENCE STORE SUPPLY CHAIN
10434
TRANSMITTING THE DATA TO THE CONVENIENCE STORE DISTRIBUTOR OF THE CONVENIENCE STORE SUPPLY CHAIN UTILIZING THE NETWORK
10436
TRANSMITTING THE DATA TO AN CONVENIENCE STORE SUPPLIER OF THE CONVENIENCE STORE SUPPLY CHAIN UTILIZING THE NETWORK
10438
FORECASTING ACTIVITY IN THE CONVENIENCE STORE SUPPLY CHAIN UTILIZING THE DATA
10440

FIG. 104A

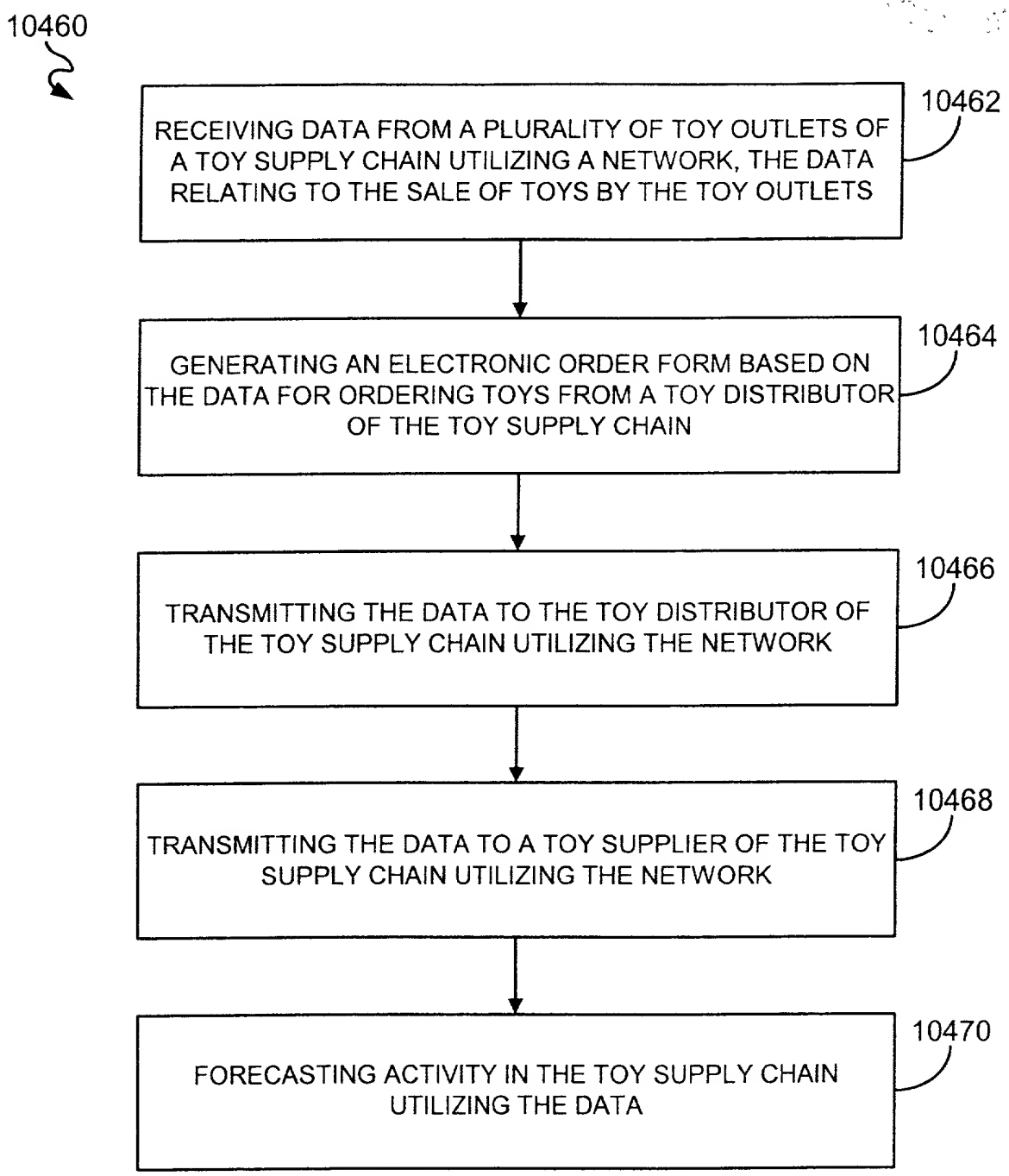
10460
RECEIVING DATA FROM A PLURALITY OF TOY OUTLETS OF A TOY SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF TOYS BY THE TOY OUTLETS
10462
GENERATING AN ELECTRONIC ORDER FORM BASED ON THE DATA FOR ORDERING TOYS FROM A TOY DISTRIBUTOR OF THE TOY SUPPLY CHAIN
10464
TRANSMITTING THE DATA TO THE TOY DISTRIBUTOR OF THE TOY SUPPLY CHAIN UTILIZING THE NETWORK
10466
TRANSMITTING THE DATA TO A TOY SUPPLIER OF THE TOY SUPPLY CHAIN UTILIZING THE NETWORK
10468
FORECASTING ACTIVITY IN THE TOY SUPPLY CHAIN UTILIZING THE DATA
10470

FIG. 104B

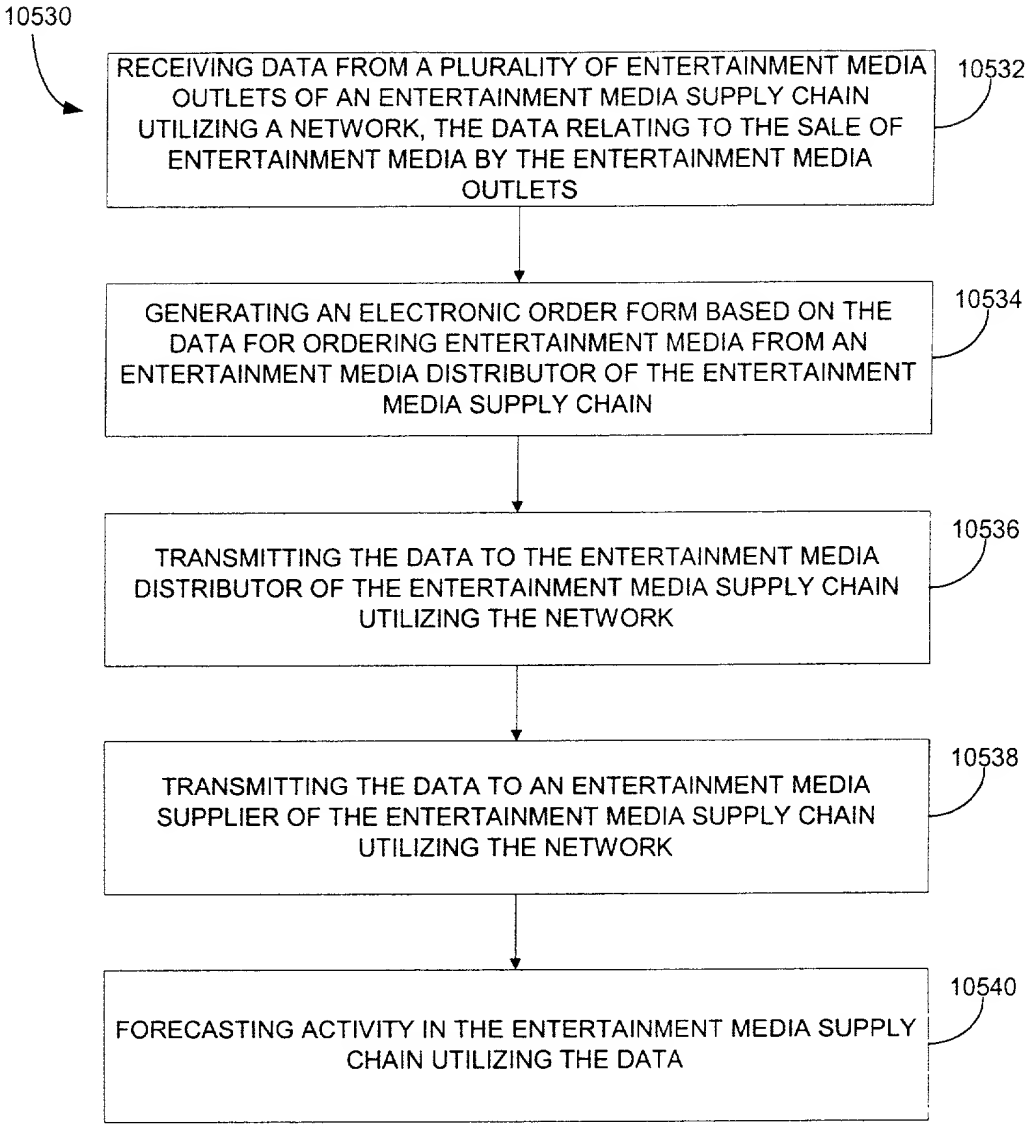
10530
RECEIVING DATA FROM A PLURALITY OF ENTERTAINMENT MEDIA OUTLETS OF AN ENTERTAINMENT MEDIA SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF ENTERTAINMENT MEDIA BY THE ENTERTAINMENT MEDIA OUTLETS
10532
GENERATING AN ELECTRONIC ORDER FORM BASED ON THE DATA FOR ORDERING ENTERTAINMENT MEDIA FROM AN ENTERTAINMENT MEDIA DISTRIBUTOR OF THE ENTERTAINMENT MEDIA SUPPLY CHAIN
10534
TRANSMITTING THE DATA TO THE ENTERTAINMENT MEDIA DISTRIBUTOR OF THE ENTERTAINMENT MEDIA SUPPLY CHAIN UTILIZING THE NETWORK
10536
TRANSMITTING THE DATA TO AN ENTERTAINMENT MEDIA SUPPLIER OF THE ENTERTAINMENT MEDIA SUPPLY CHAIN UTILIZING THE NETWORK
10538
FORECASTING ACTIVITY IN THE ENTERTAINMENT MEDIA SUPPLY CHAIN UTILIZING THE DATA
10540

FIG. 105

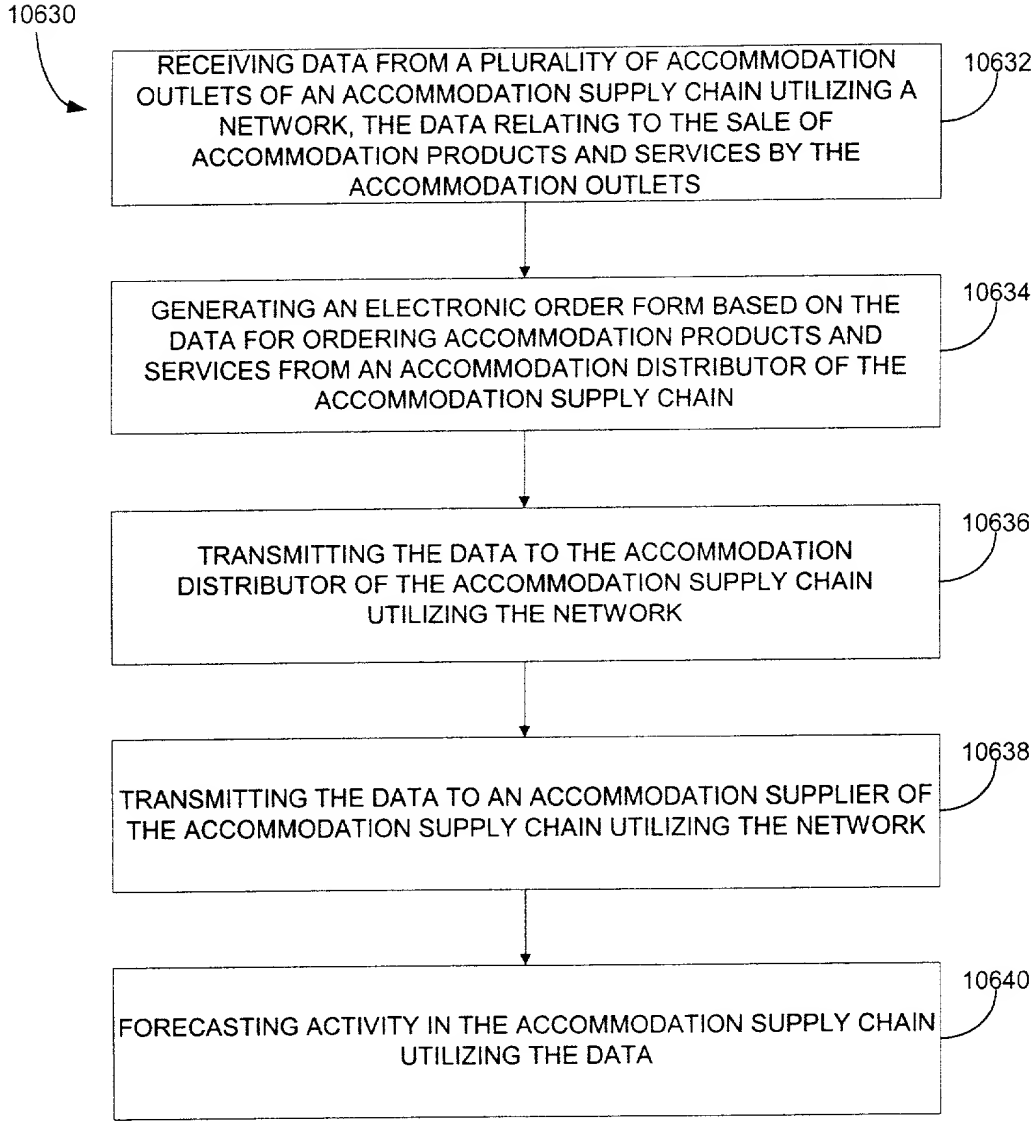
10630
RECEIVING DATA FROM A PLURALITY OF ACCOMMODATION OUTLETS OF AN ACCOMMODATION SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF ACCOMMODATION PRODUCTS AND SERVICES BY THE ACCOMMODATION OUTLETS
10632
GENERATING AN ELECTRONIC ORDER FORM BASED ON THE DATA FOR ORDERING ACCOMMODATION PRODUCTS AND SERVICES FROM AN ACCOMMODATION DISTRIBUTOR OF THE ACCOMMODATION SUPPLY CHAIN
10634
TRANSMITTING THE DATA TO THE ACCOMMODATION DISTRIBUTOR OF THE ACCOMMODATION SUPPLY CHAIN UTILIZING THE NETWORK
10636
TRANSMITTING THE DATA TO AN ACCOMMODATION SUPPLIER OF THE ACCOMMODATION SUPPLY CHAIN UTILIZING THE NETWORK
10638
FORECASTING ACTIVITY IN THE ACCOMMODATION SUPPLY CHAIN UTILIZING THE DATA
10640

FIG. 106

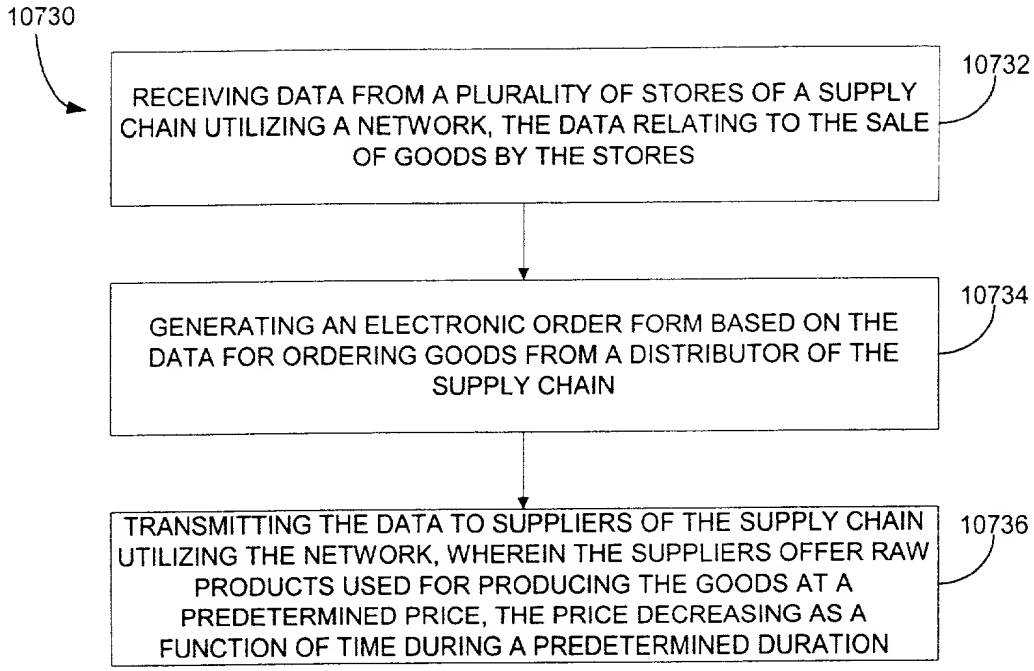
10730
RECEIVING DATA FROM A PLURALITY OF STORES OF A SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF GOODS BY THE STORES
10732
GENERATING AN ELECTRONIC ORDER FORM BASED ON THE DATA FOR ORDERING GOODS FROM A DISTRIBUTOR OF THE SUPPLY CHAIN
10734
TRANSMITTING THE DATA TO SUPPLIERS OF THE SUPPLY CHAIN UTILIZING THE NETWORK, WHEREIN THE SUPPLIERS OFFER RAW PRODUCTS USED FOR PRODUCING THE GOODS AT A PREDETERMINED PRICE, THE PRICE DECREASING AS A FUNCTION OF TIME DURING A PREDETERMINED DURATION
10736

FIG. 107

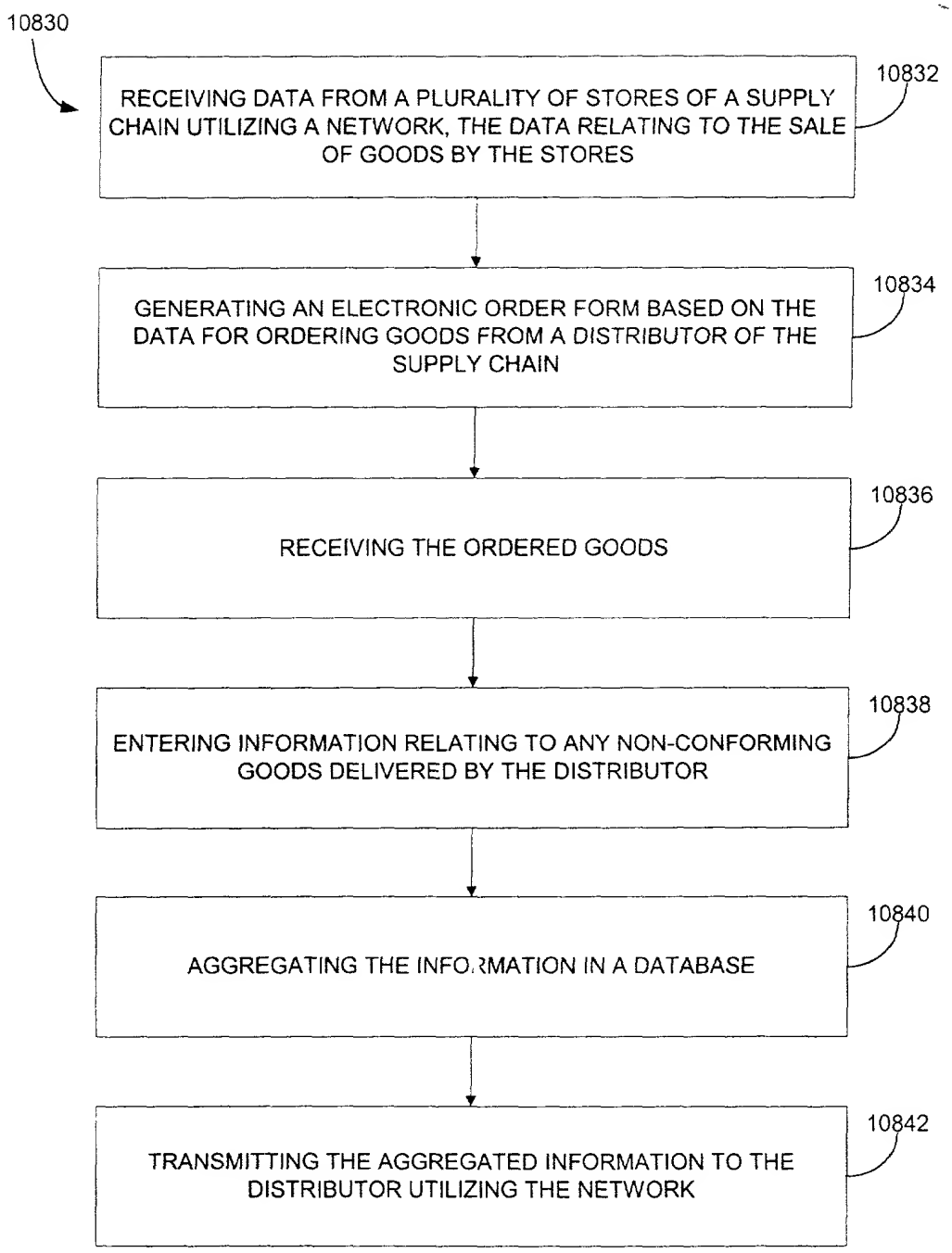
10830
RECEIVING DATA FROM A PLURALITY OF STORES OF A SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF GOODS BY THE STORES
10832
GENERATING AN ELECTRONIC ORDER FORM BASED ON THE DATA FOR ORDERING GOODS FROM A DISTRIBUTOR OF THE SUPPLY CHAIN
10834
RECEIVING THE ORDERED GOODS
10836
ENTERING INFORMATION RELATING TO ANY NON-CONFORMING GOODS DELIVERED BY THE DISTRIBUTOR
10838
AGGREGATING THE INFORMATION IN A DATABASE
10840
TRANSMITTING THE AGGREGATED INFORMATION TO THE DISTRIBUTOR UTILIZING THE NETWORK
10842

FIG. 108

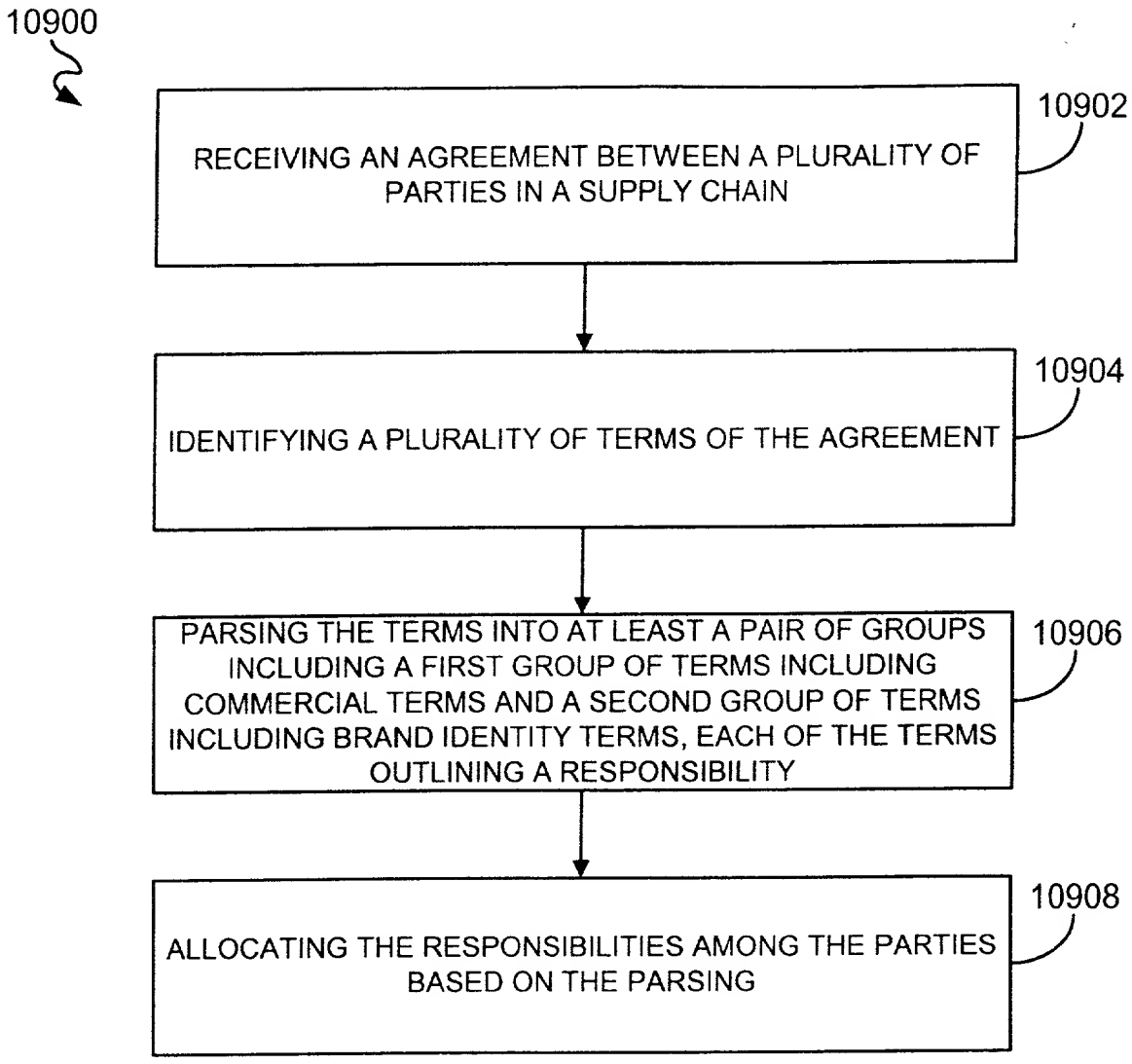
10900
RECEIVING AN AGREEMENT BETWEEN A PLURALITY OF PARTIES IN A SUPPLY CHAIN
10902
IDENTIFYING A PLURALITY OF TERMS OF THE AGREEMENT
10904
PARSING THE TERMS INTO AT LEAST A PAIR OF GROUPS INCLUDING A FIRST GROUP OF TERMS INCLUDING COMMERCIAL TERMS AND A SECOND GROUP OF TERMS INCLUDING BRAND IDENTITY TERMS, EACH OF THE TERMS OUTLINING A RESPONSIBILITY
10906
ALLOCATING THE RESPONSIBILITIES AMONG THE PARTIES BASED ON THE PARSING
10908

FIG. 109

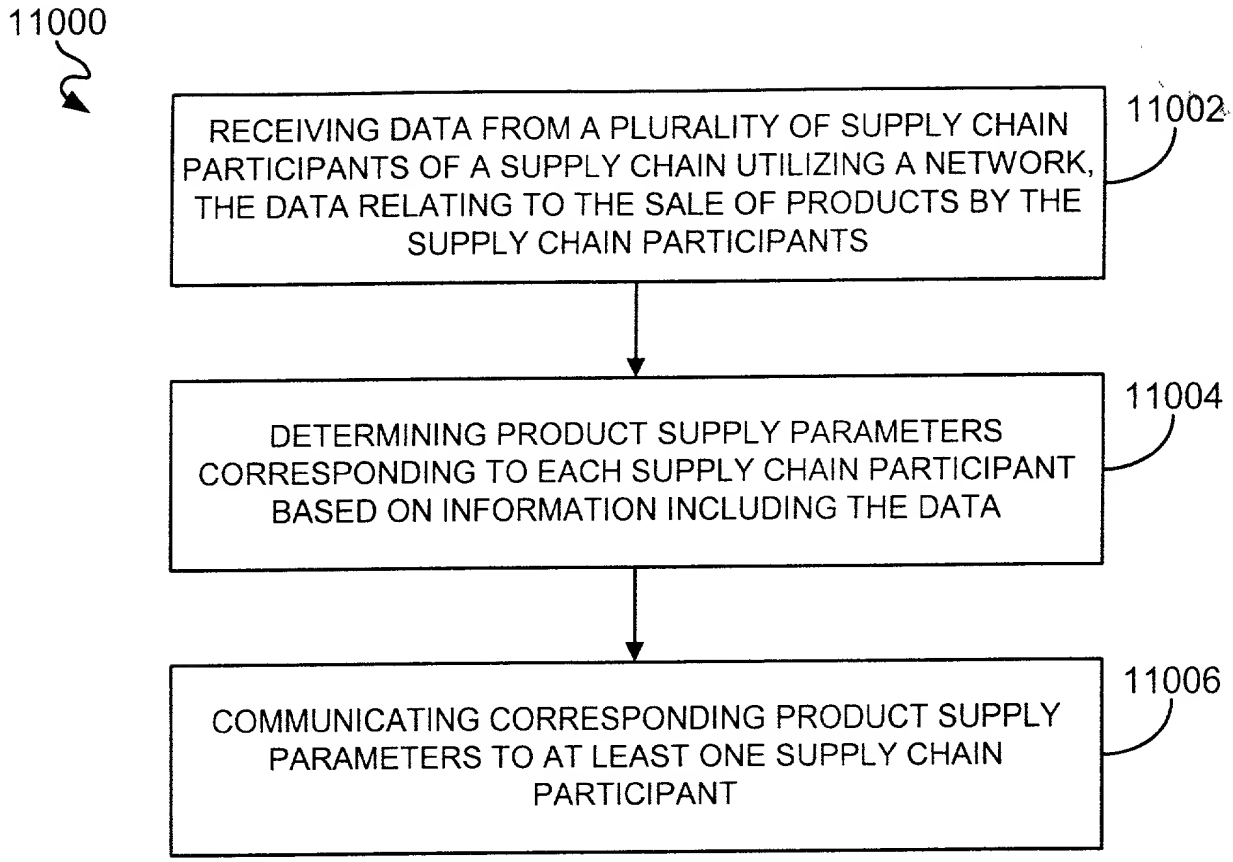
11000
RECEIVING DATA FROM A PLURALITY OF SUPPLY CHAIN PARTICIPANTS OF A SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF PRODUCTS BY THE SUPPLY CHAIN PARTICIPANTS
11002
DETERMINING PRODUCT SUPPLY PARAMETERS CORRESPONDING TO EACH SUPPLY CHAIN PARTICIPANT BASED ON INFORMATION INCLUDING THE DATA
11004
COMMUNICATING CORRESPONDING PRODUCT SUPPLY PARAMETERS TO AT LEAST ONE SUPPLY CHAIN PARTICIPANT
11006

FIG. 110

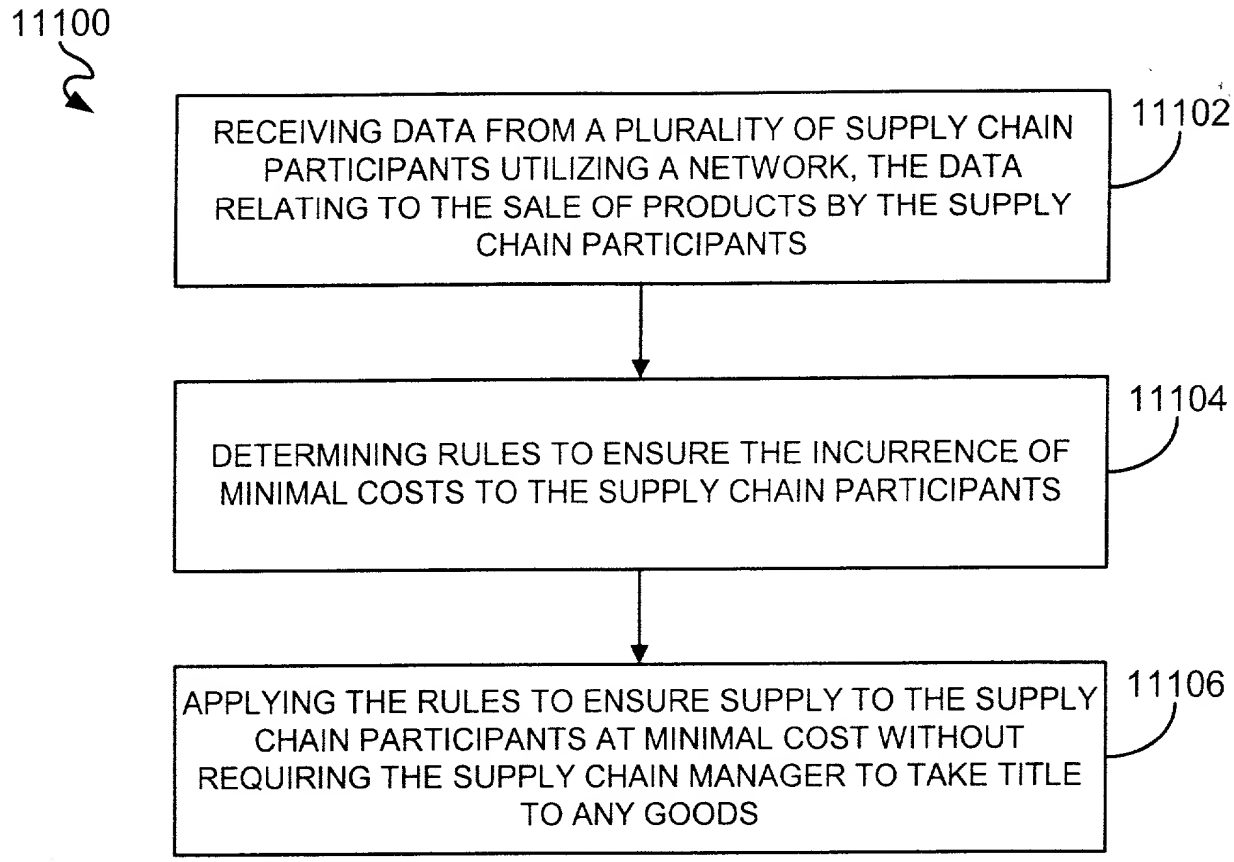
11100
RECEIVING DATA FROM A PLURALITY OF SUPPLY CHAIN PARTICIPANTS UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF PRODUCTS BY THE SUPPLY CHAIN PARTICIPANTS
11102
DETERMINING RULES TO ENSURE THE INCURRENCE OF MINIMAL COSTS TO THE SUPPLY CHAIN PARTICIPANTS
11104
APPLYING THE RULES TO ENSURE SUPPLY TO THE SUPPLY CHAIN PARTICIPANTS AT MINIMAL COST WITHOUT REQUIRING THE SUPPLY CHAIN MANAGER TO TAKE TITLE TO ANY GOODS
11106

FIG. 111

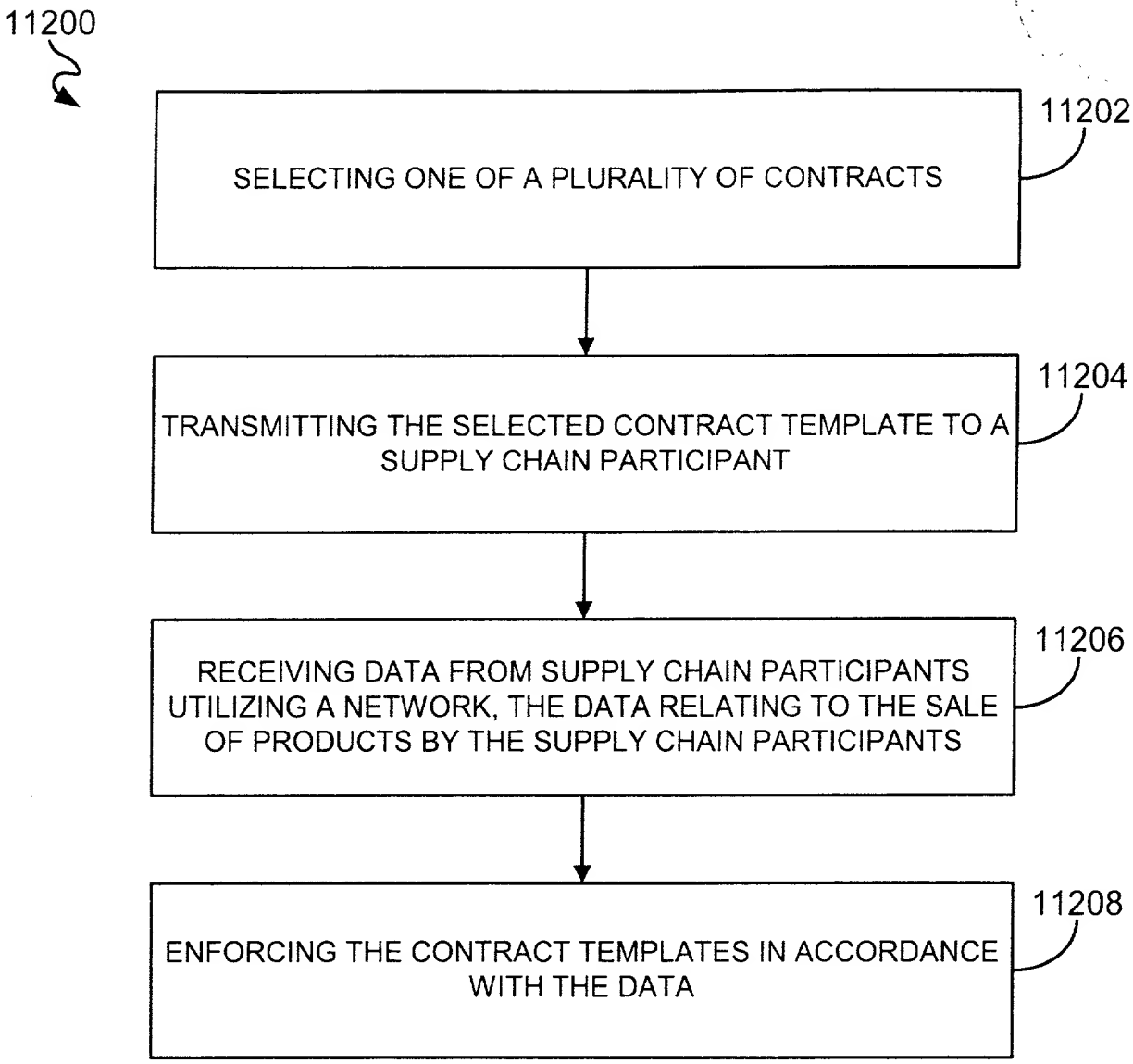
11200
SELECTING ONE OF A PLURALITY OF CONTRACTS
11202
TRANSMITTING THE SELECTED CONTRACT TEMPLATE TO A SUPPLY CHAIN PARTICIPANT
11204
RECEIVING DATA FROM SUPPLY CHAIN PARTICIPANTS UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF PRODUCTS BY THE SUPPLY CHAIN PARTICIPANTS
11206
ENFORCING THE CONTRACT TEMPLATES IN ACCORDANCE WITH THE DATA
11208

FIG. 112

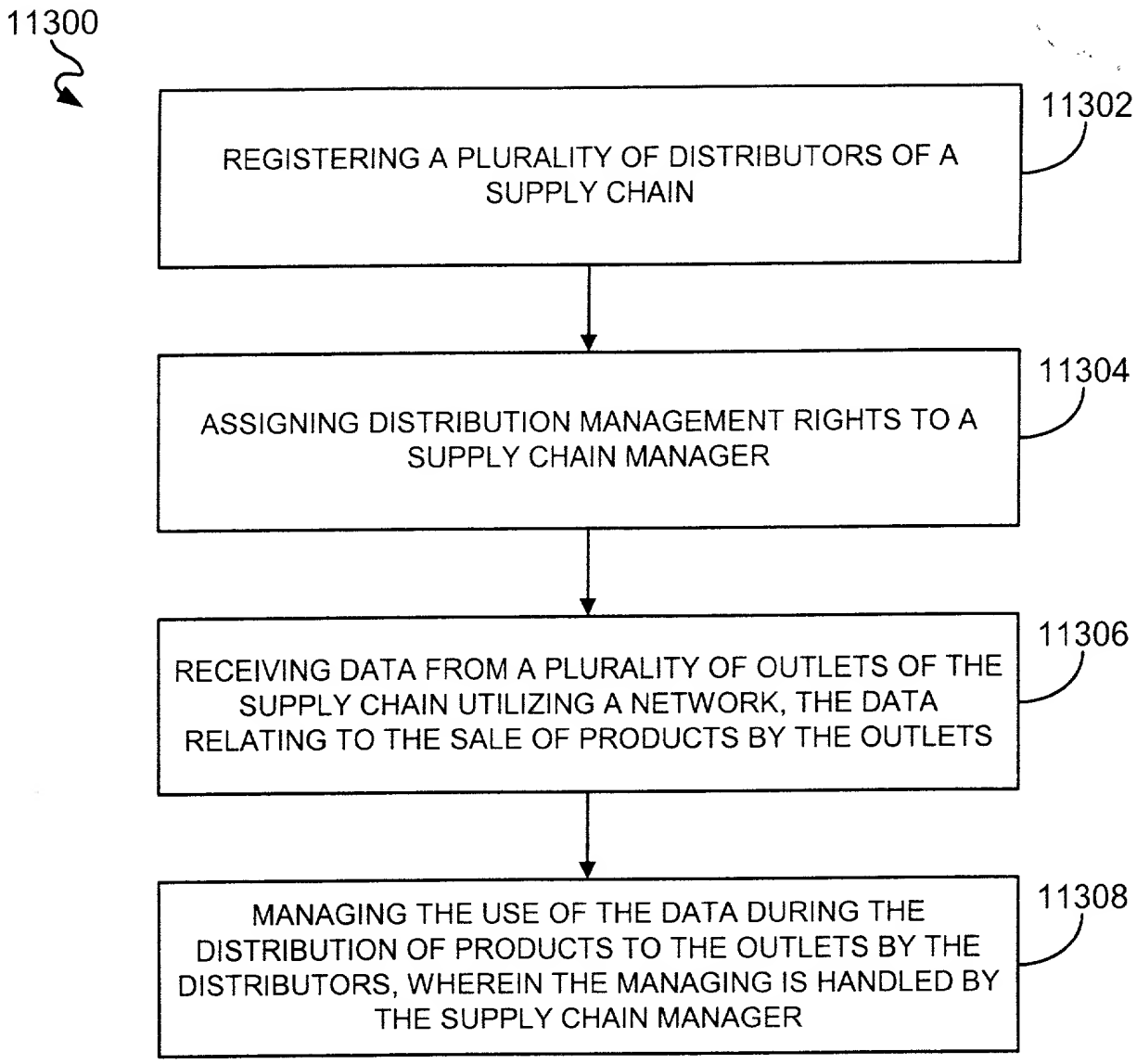
11300
REGISTERING A PLURALITY OF DISTRIBUTORS OF A SUPPLY CHAIN
11302
ASSIGNING DISTRIBUTION MANAGEMENT RIGHTS TO A SUPPLY CHAIN MANAGER
11304
RECEIVING DATA FROM A PLURALITY OF OUTLETS OF THE SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF PRODUCTS BY THE OUTLETS
11306
MANAGING THE USE OF THE DATA DURING THE DISTRIBUTION OF PRODUCTS TO THE OUTLETS BY THE DISTRIBUTORS, WHEREIN THE MANAGING IS HANDLED BY THE SUPPLY CHAIN MANAGER
11308

FIG. 113

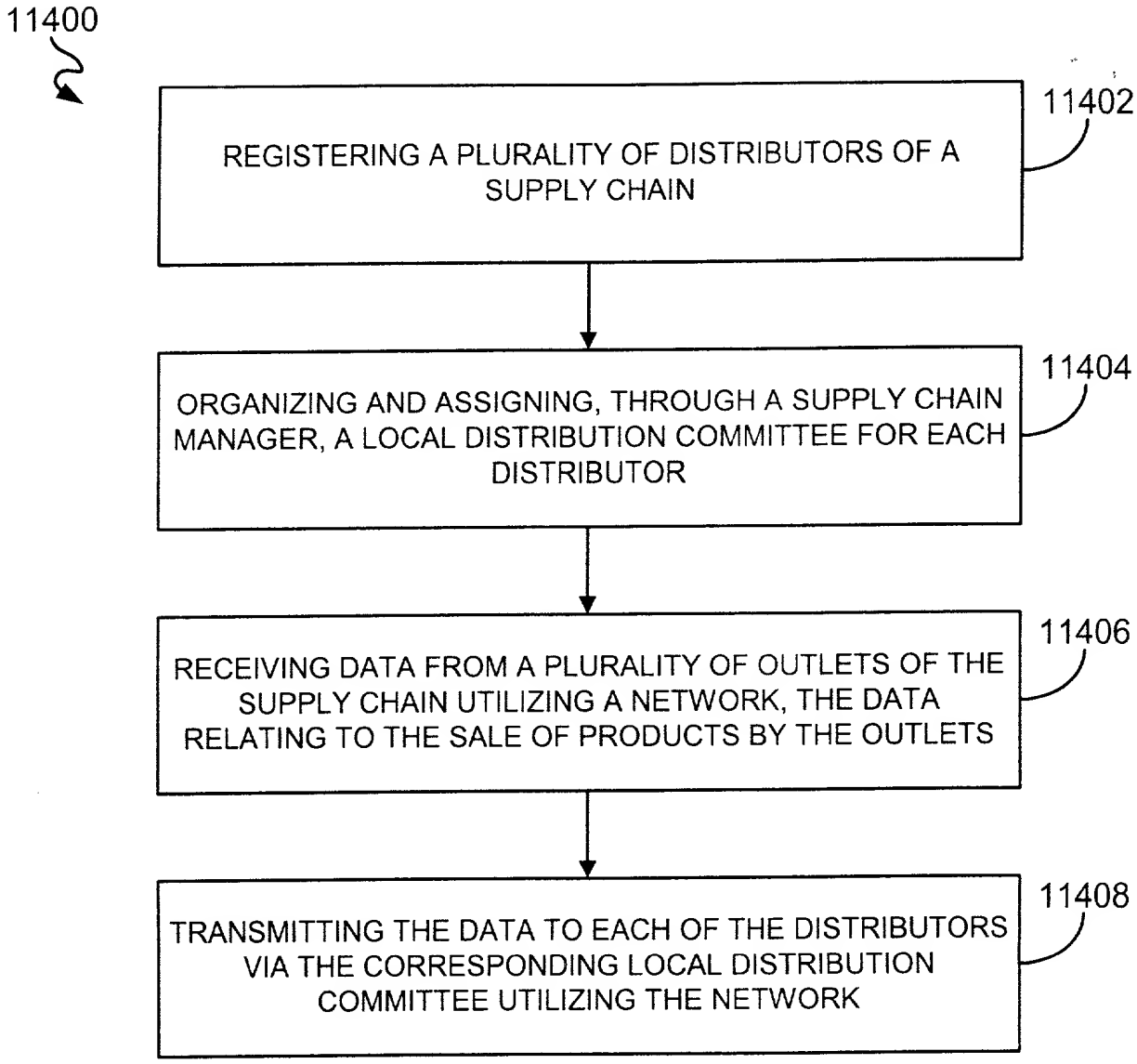
11400
REGISTERING A PLURALITY OF DISTRIBUTORS OF A SUPPLY CHAIN
11402
ORGANIZING AND ASSIGNING, THROUGH A SUPPLY CHAIN MANAGER, A LOCAL DISTRIBUTION COMMITTEE FOR EACH DISTRIBUTOR
11404
RECEIVING DATA FROM A PLURALITY OF OUTLETS OF THE SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF PRODUCTS BY THE OUTLETS
11406
TRANSMITTING THE DATA TO EACH OF THE DISTRIBUTORS VIA THE CORRESPONDING LOCAL DISTRIBUTION COMMITTEE UTILIZING THE NETWORK
11408

FIG. 114

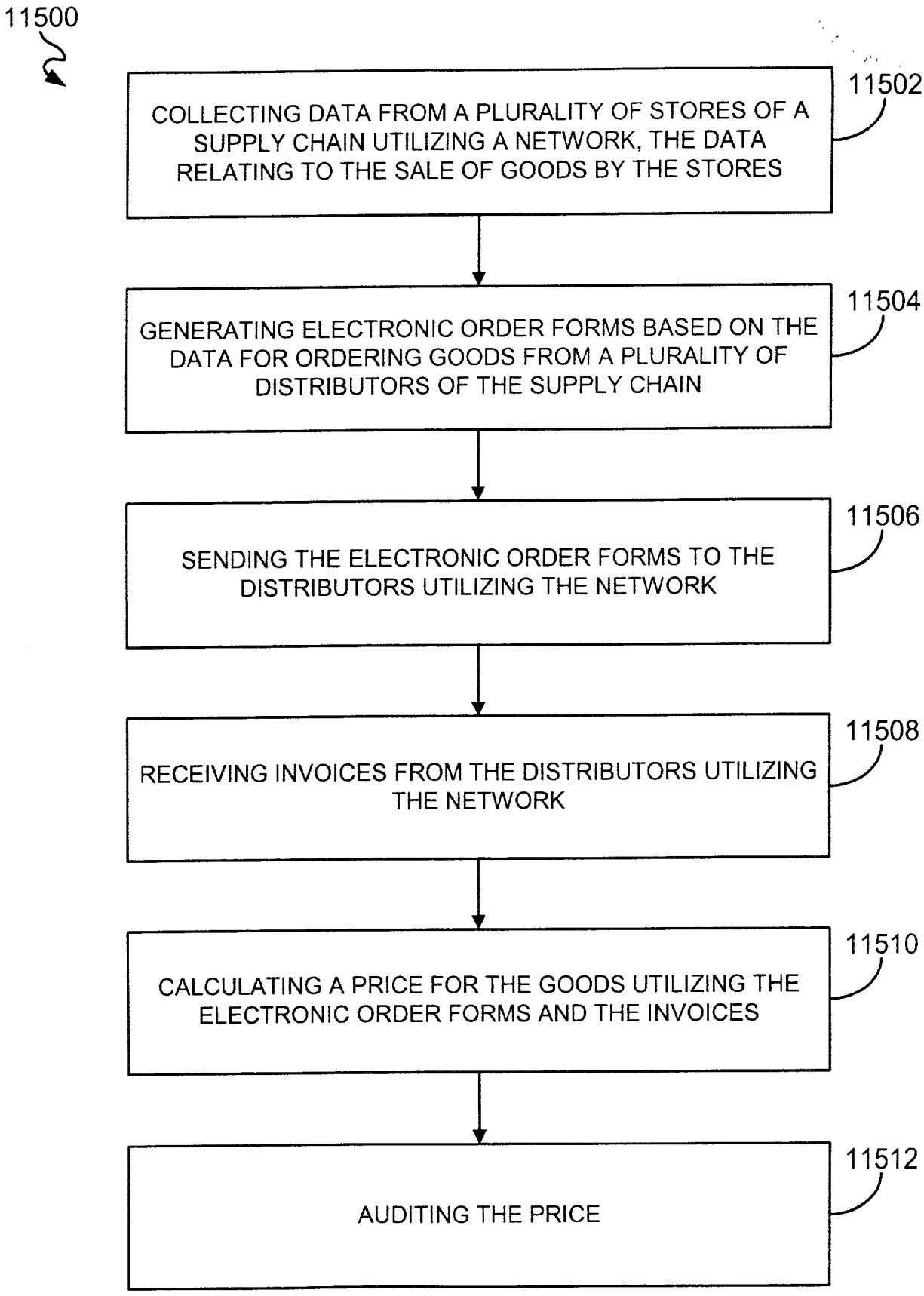
11500
COLLECTING DATA FROM A PLURALITY OF STORES OF A SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF GOODS BY THE STORES
11502
GENERATING ELECTRONIC ORDER FORMS BASED ON THE DATA FOR ORDERING GOODS FROM A PLURALITY OF DISTRIBUTORS OF THE SUPPLY CHAIN
11504
SENDING THE ELECTRONIC ORDER FORMS TO THE DISTRIBUTORS UTILIZING THE NETWORK
11506
RECEIVING INVOICES FROM THE DISTRIBUTORS UTILIZING THE NETWORK
11508
CALCULATING A PRICE FOR THE GOODS UTILIZING THE ELECTRONIC ORDER FORMS AND THE INVOICES
11510
AUDITING THE PRICE
11512

FIG. 115

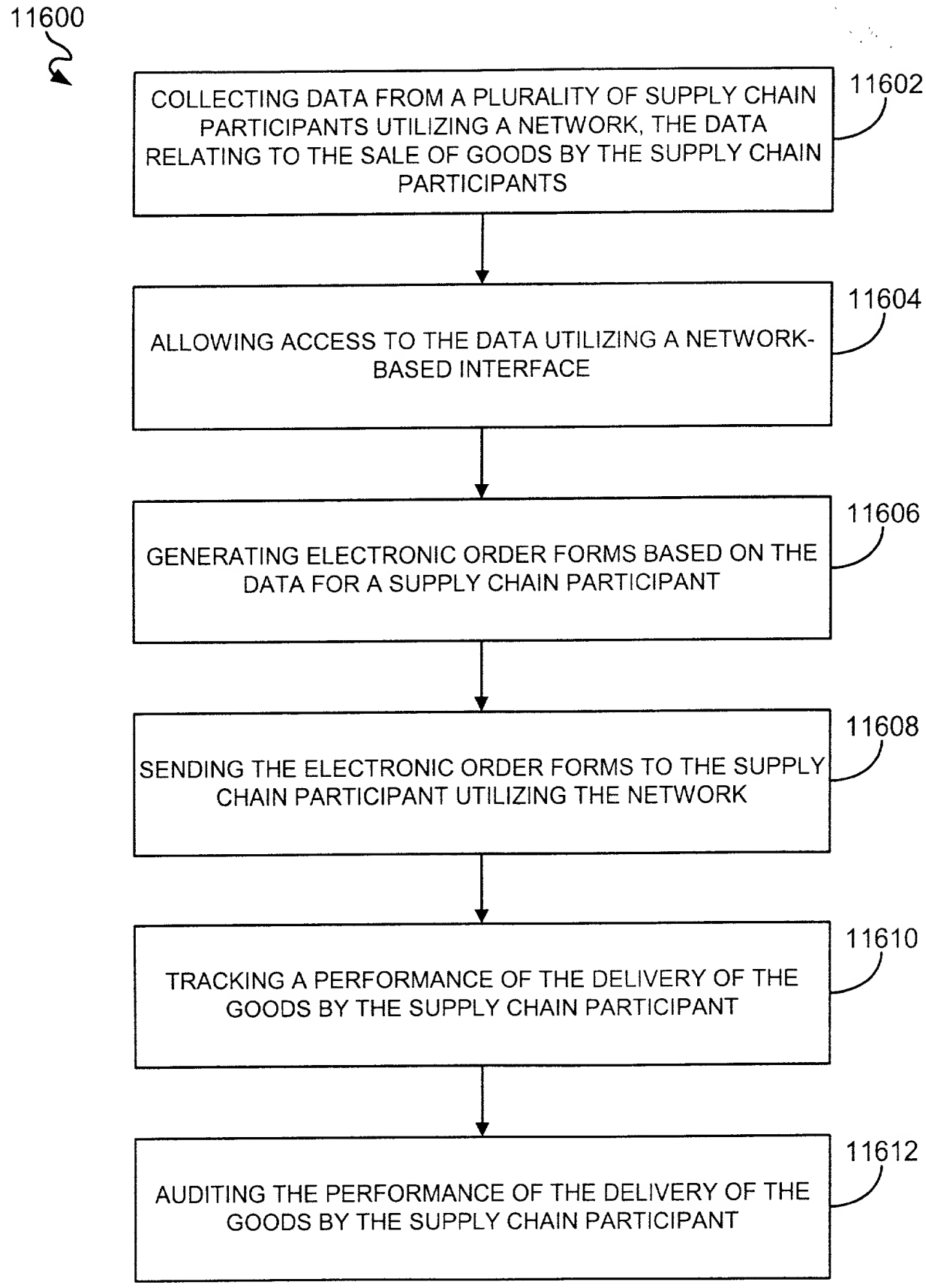
11600
COLLECTING DATA FROM A PLURALITY OF SUPPLY CHAIN PARTICIPANTS UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF GOODS BY THE SUPPLY CHAIN PARTICIPANTS
11602
ALLOWING ACCESS TO THE DATA UTILIZING A NETWORK-BASED INTERFACE
11604
GENERATING ELECTRONIC ORDER FORMS BASED ON THE DATA FOR A SUPPLY CHAIN PARTICIPANT
11606
SENDING THE ELECTRONIC ORDER FORMS TO THE SUPPLY CHAIN PARTICIPANT UTILIZING THE NETWORK
11608
TRACKING A PERFORMANCE OF THE DELIVERY OF THE GOODS BY THE SUPPLY CHAIN PARTICIPANT
11610
AUDITING THE PERFORMANCE OF THE DELIVERY OF THE GOODS BY THE SUPPLY CHAIN PARTICIPANT
11612

FIG. 116

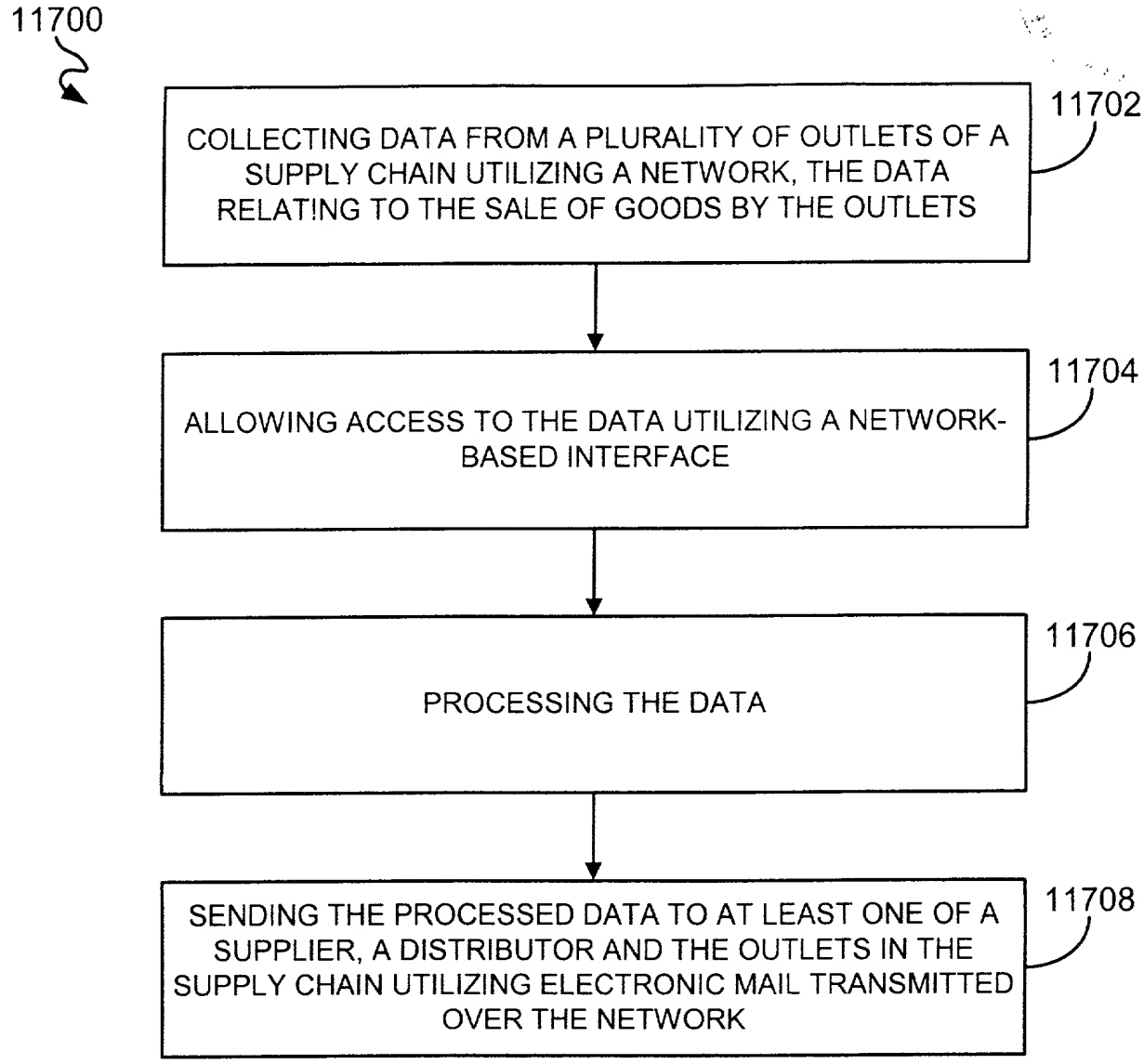
11700
COLLECTING DATA FROM A PLURALITY OF OUTLETS OF A SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF GOODS BY THE OUTLETS
11702
ALLOWING ACCESS TO THE DATA UTILIZING A NETWORK-BASED INTERFACE
11704
PROCESSING THE DATA
11706
SENDING THE PROCESSED DATA TO AT LEAST ONE OF A SUPPLIER, A DISTRIBUTOR AND THE OUTLETS IN THE SUPPLY CHAIN UTILIZING ELECTRONIC MAIL TRANSMITTED OVER THE NETWORK
11708

FIG. 117

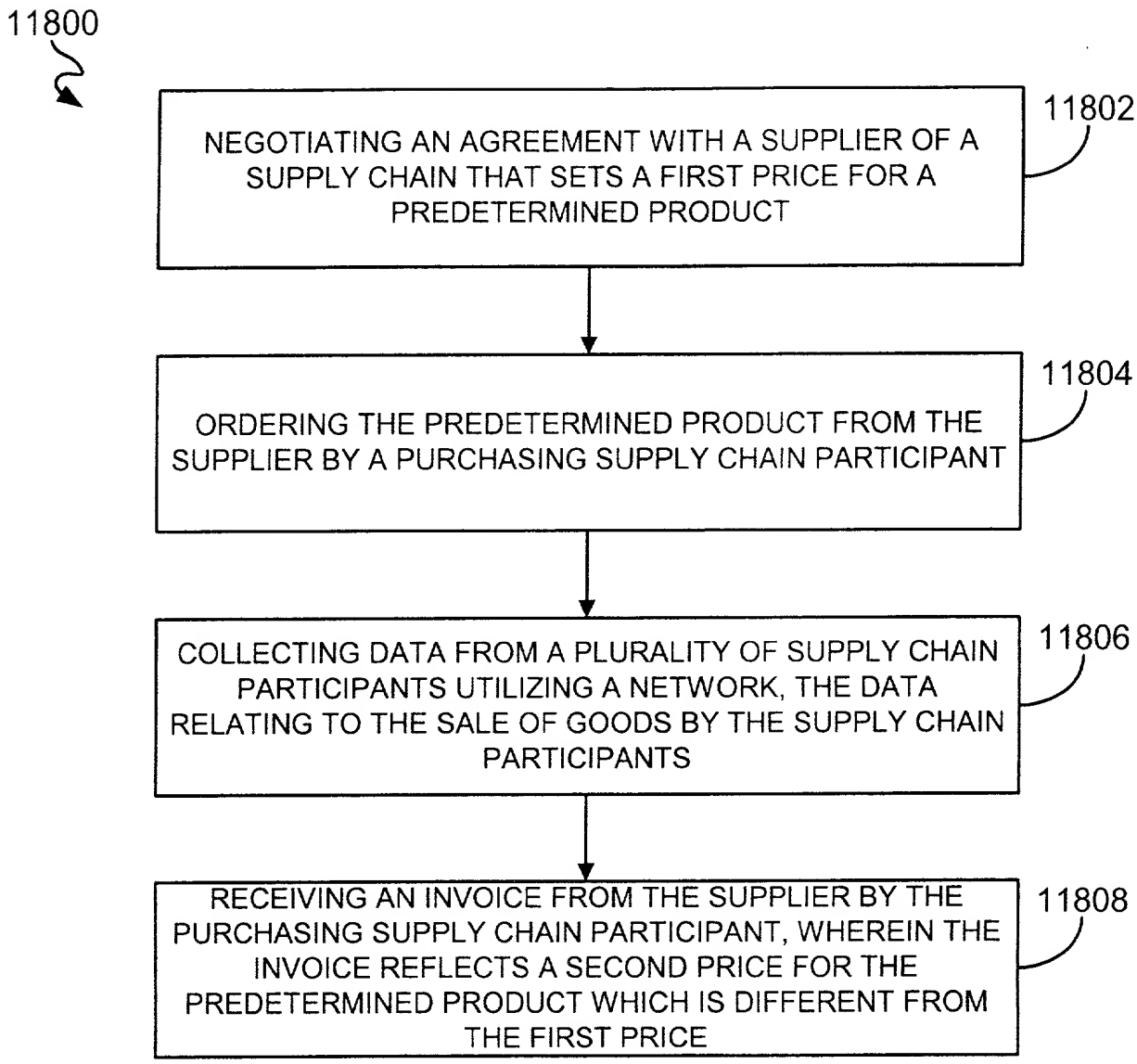
11800
NEGOTIATING AN AGREEMENT WITH A SUPPLIER OF A SUPPLY CHAIN THAT SETS A FIRST PRICE FOR A PREDETERMINED PRODUCT
11802
ORDERING THE PREDETERMINED PRODUCT FROM THE SUPPLIER BY A PURCHASING SUPPLY CHAIN PARTICIPANT
11804
COLLECTING DATA FROM A PLURALITY OF SUPPLY CHAIN PARTICIPANTS UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF GOODS BY THE SUPPLY CHAIN PARTICIPANTS
11806
RECEIVING AN INVOICE FROM THE SUPPLIER BY THE PURCHASING SUPPLY CHAIN PARTICIPANT, WHEREIN THE INVOICE REFLECTS A SECOND PRICE FOR THE PREDETERMINED PRODUCT WHICH IS DIFFERENT FROM THE FIRST PRICE
11808

FIG. 118

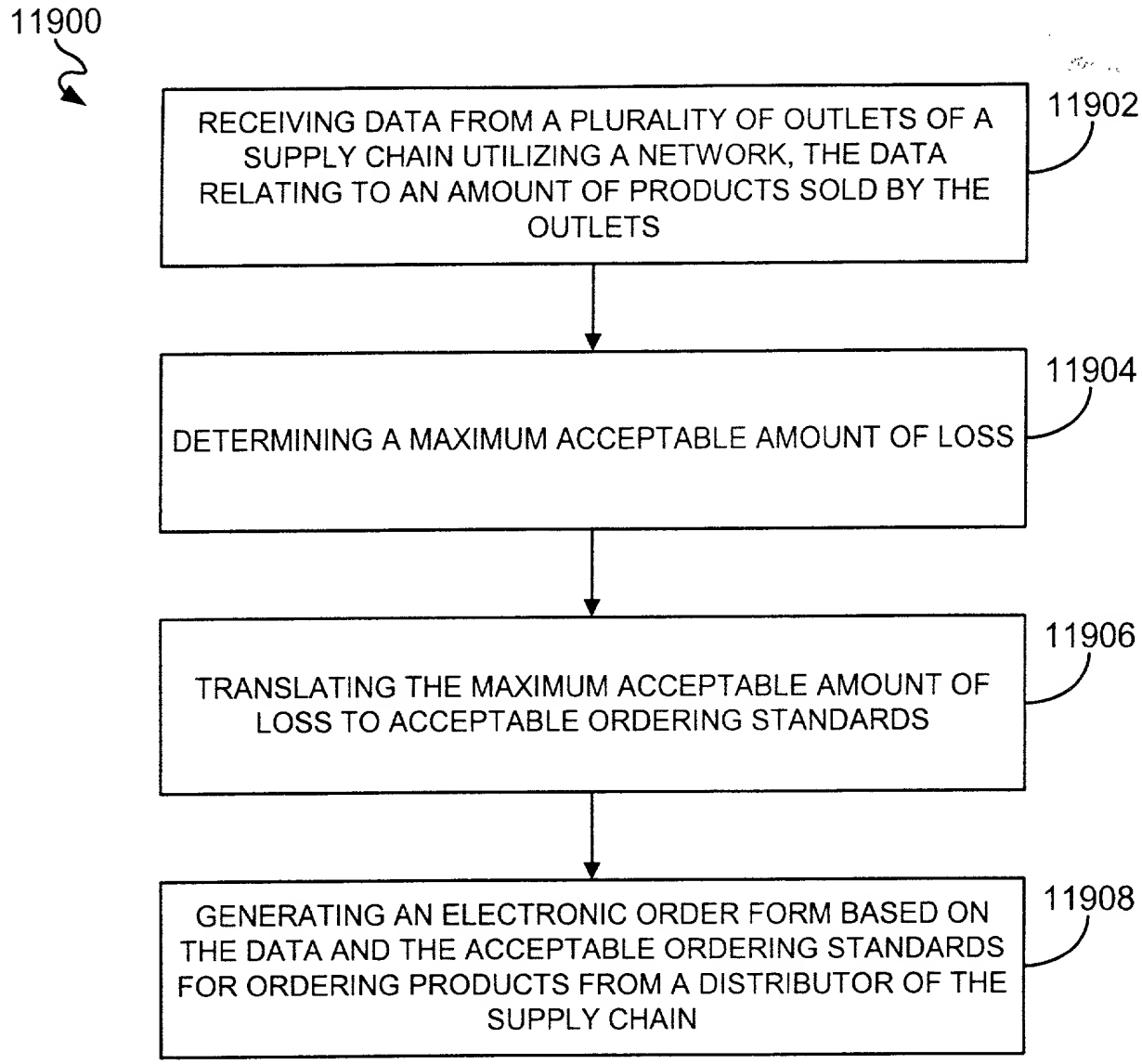
11900
RECEIVING DATA FROM A PLURALITY OF OUTLETS OF A SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO AN AMOUNT OF PRODUCTS SOLD BY THE OUTLETS
11902
DETERMINING A MAXIMUM ACCEPTABLE AMOUNT OF LOSS
11904
TRANSLATING THE MAXIMUM ACCEPTABLE AMOUNT OF LOSS TO ACCEPTABLE ORDERING STANDARDS
11906
GENERATING AN ELECTRONIC ORDER FORM BASED ON THE DATA AND THE ACCEPTABLE ORDERING STANDARDS FOR ORDERING PRODUCTS FROM A DISTRIBUTOR OF THE SUPPLY CHAIN
11908

FIG. 119

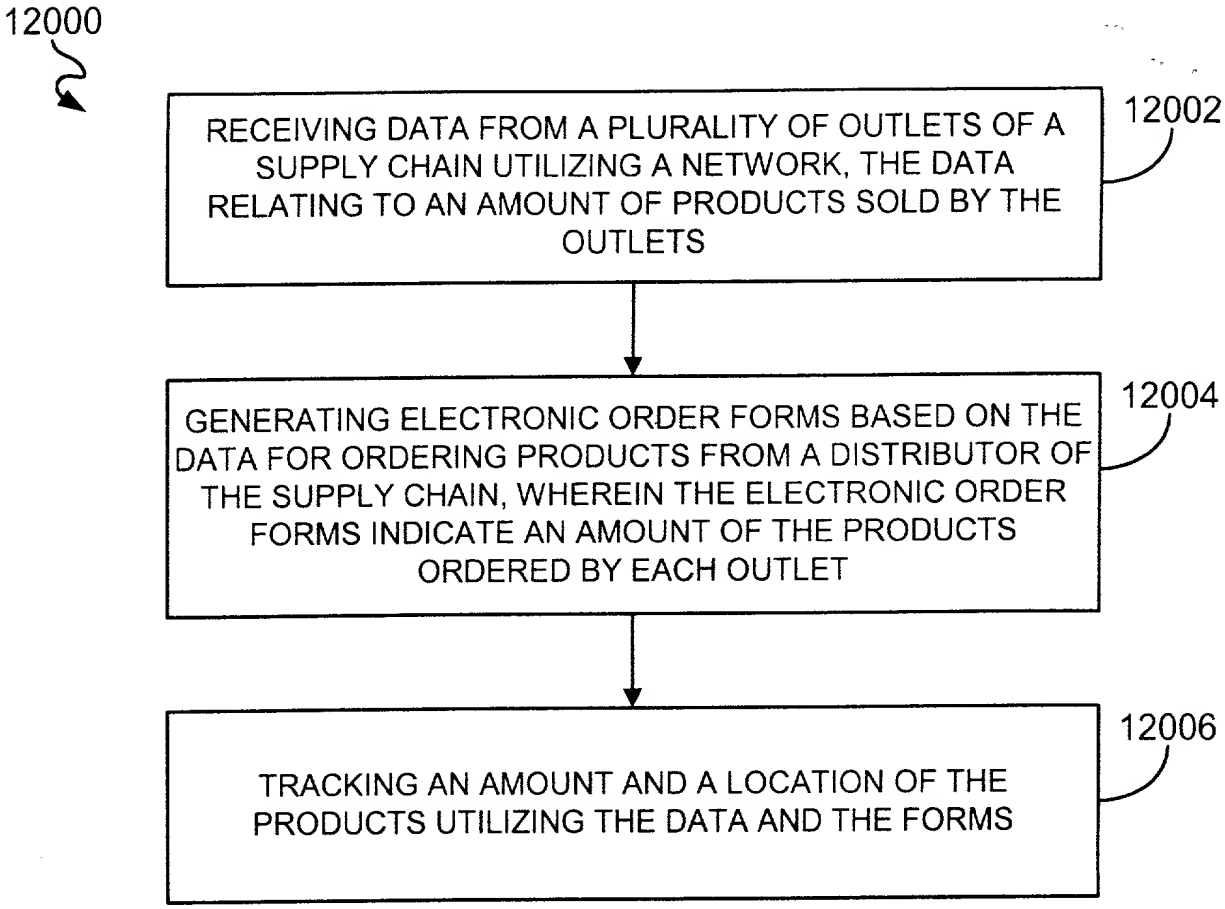
12000
RECEIVING DATA FROM A PLURALITY OF OUTLETS OF A SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO AN AMOUNT OF PRODUCTS SOLD BY THE OUTLETS
12002
GENERATING ELECTRONIC ORDER FORMS BASED ON THE DATA FOR ORDERING PRODUCTS FROM A DISTRIBUTOR OF THE SUPPLY CHAIN, WHEREIN THE ELECTRONIC ORDER FORMS INDICATE AN AMOUNT OF THE PRODUCTS ORDERED BY EACH OUTLET
12004
TRACKING AN AMOUNT AND A LOCATION OF THE PRODUCTS UTILIZING THE DATA AND THE FORMS
12006

FIG. 120

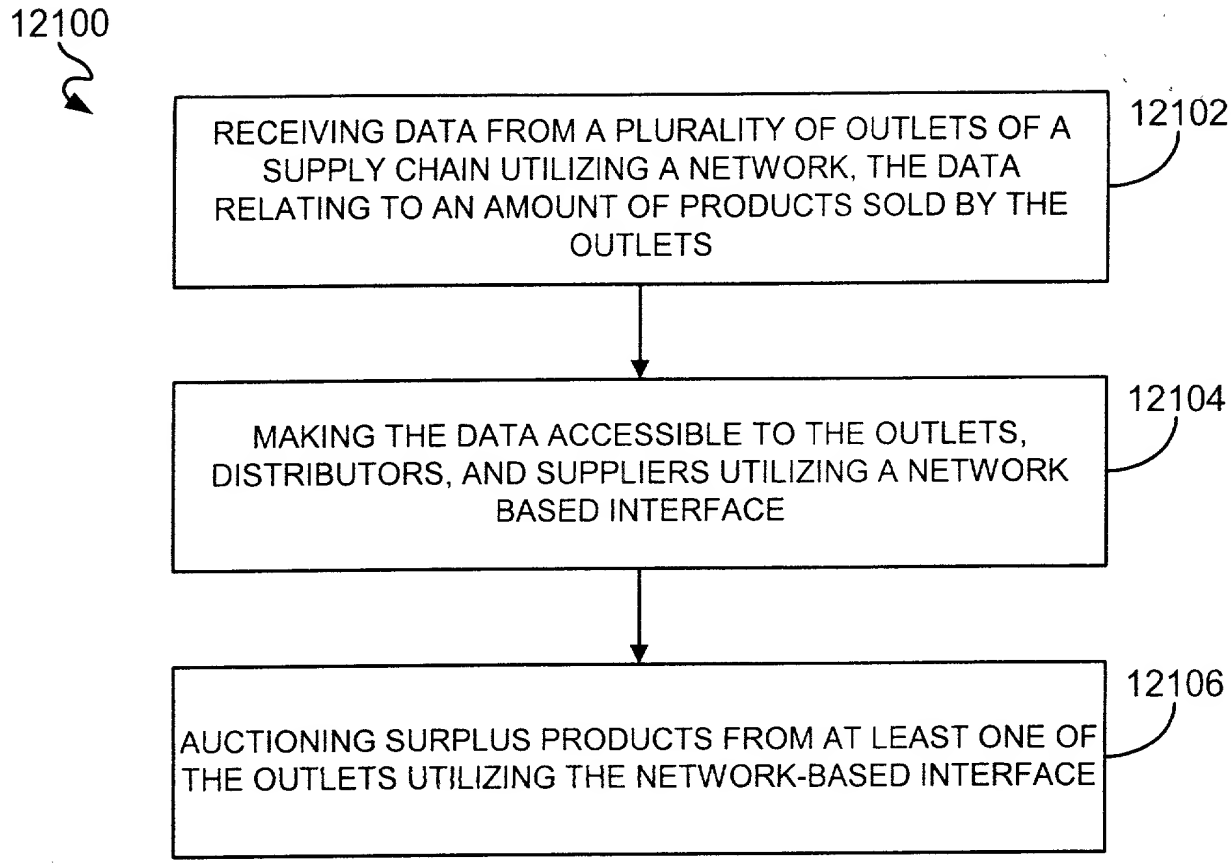
12100
RECEIVING DATA FROM A PLURALITY OF OUTLETS OF A SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO AN AMOUNT OF PRODUCTS SOLD BY THE OUTLETS
12102
MAKING THE DATA ACCESSIBLE TO THE OUTLETS, DISTRIBUTORS, AND SUPPLIERS UTILIZING A NETWORK BASED INTERFACE
12104
AUCTIONING SURPLUS PRODUCTS FROM AT LEAST ONE OF THE OUTLETS UTILIZING THE NETWORK-BASED INTERFACE
12106

FIG. 121

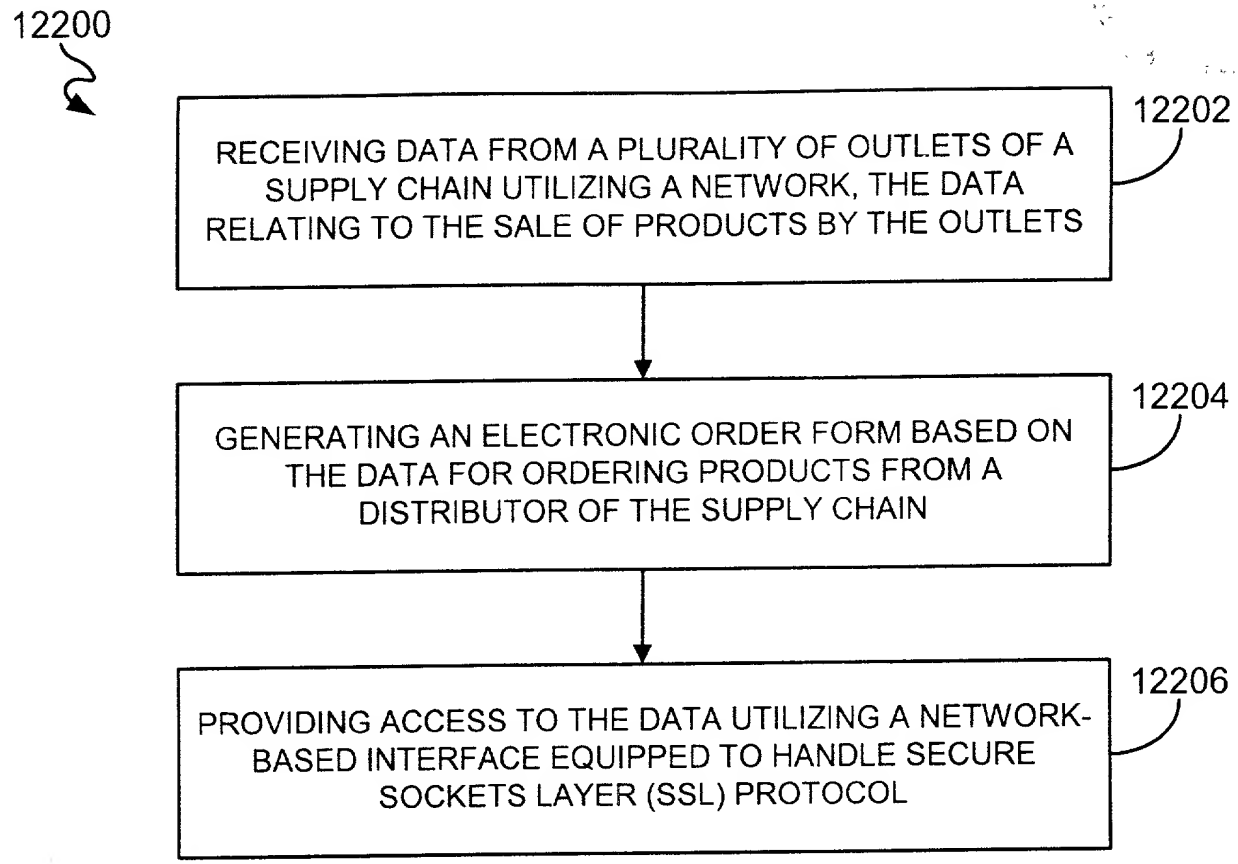
12200
RECEIVING DATA FROM A PLURALITY OF OUTLETS OF A SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF PRODUCTS BY THE OUTLETS
12202
GENERATING AN ELECTRONIC ORDER FORM BASED ON THE DATA FOR ORDERING PRODUCTS FROM A DISTRIBUTOR OF THE SUPPLY CHAIN
12204
PROVIDING ACCESS TO THE DATA UTILIZING A NETWORK-BASED INTERFACE EQUIPPED TO HANDLE SECURE SOCKETS LAYER (SSL) PROTOCOL
12206

FIG. 122

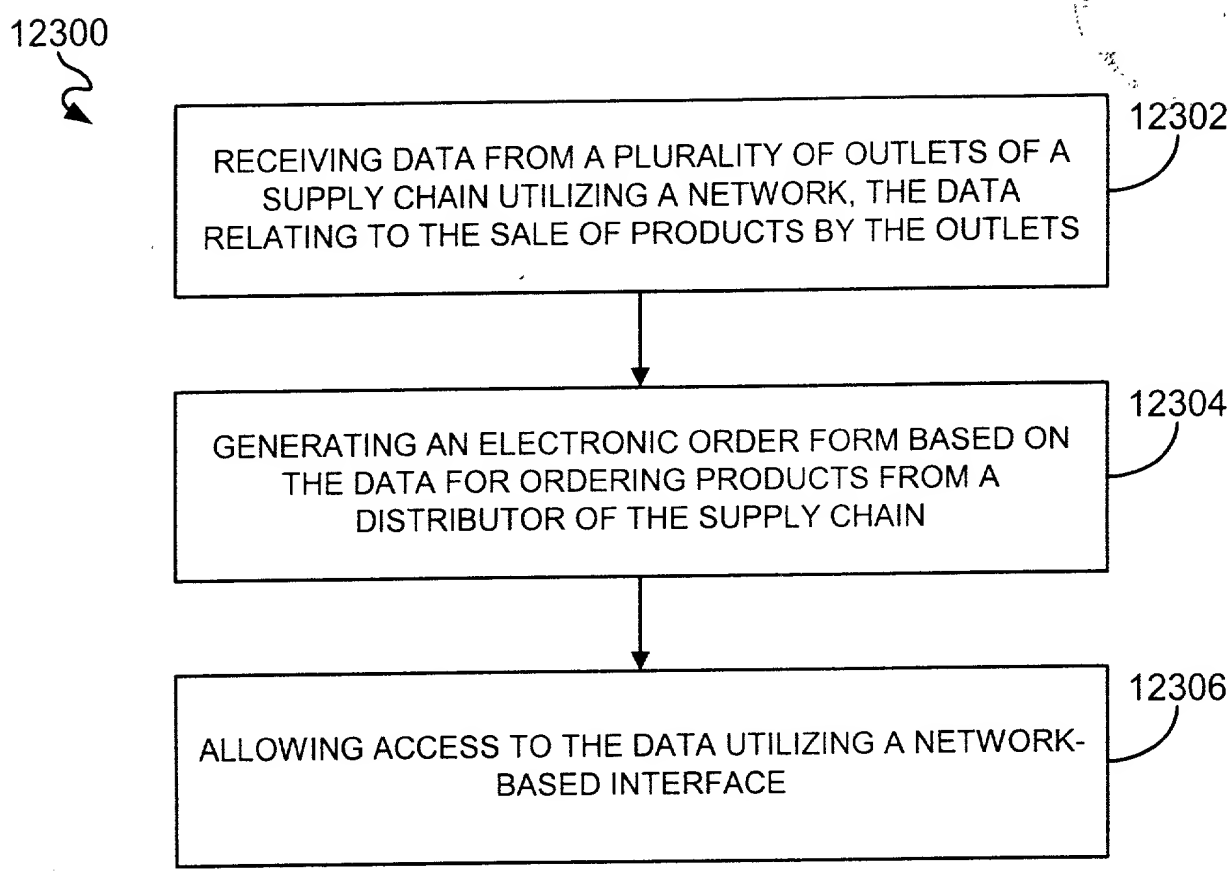
12300
RECEIVING DATA FROM A PLURALITY OF OUTLETS OF A SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF PRODUCTS BY THE OUTLETS
12302
GENERATING AN ELECTRONIC ORDER FORM BASED ON THE DATA FOR ORDERING PRODUCTS FROM A DISTRIBUTOR OF THE SUPPLY CHAIN
12304
ALLOWING ACCESS TO THE DATA UTILIZING A NETWORK-BASED INTERFACE
12306

FIG. 123

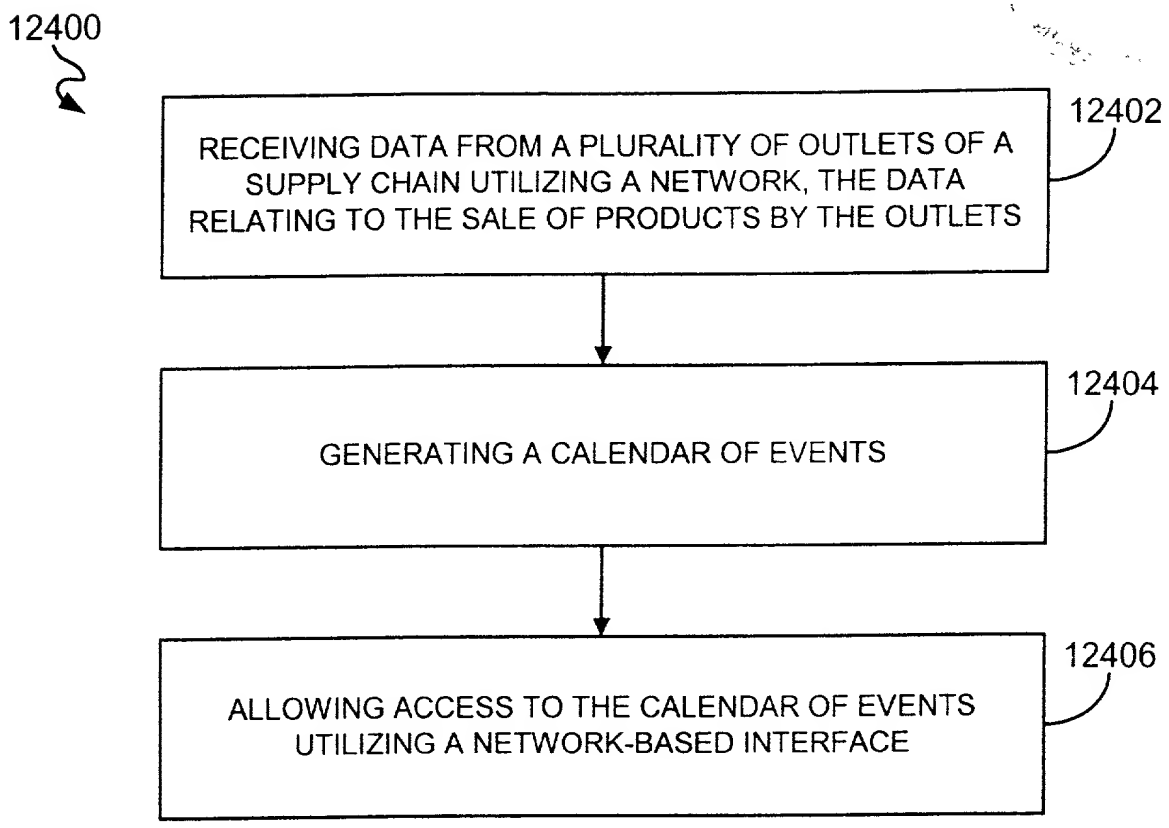
12400
RECEIVING DATA FROM A PLURALITY OF OUTLETS OF A SUPPLY CHAIN UTILIZING A NETWORK, THE DATA RELATING TO THE SALE OF PRODUCTS BY THE OUTLETS
12402
GENERATING A CALENDAR OF EVENTS
12404
ALLOWING ACCESS TO THE CALENDAR OF EVENTS UTILIZING A NETWORK-BASED INTERFACE
12406

FIG. 124

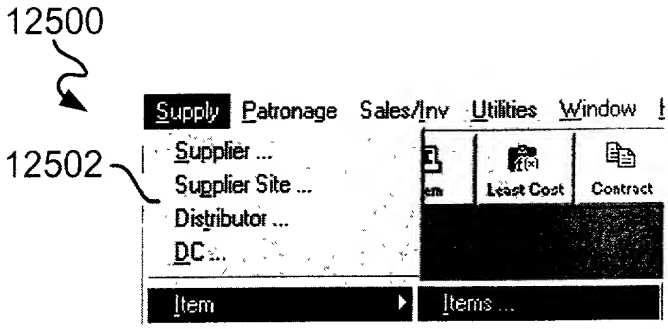

FIG. 125

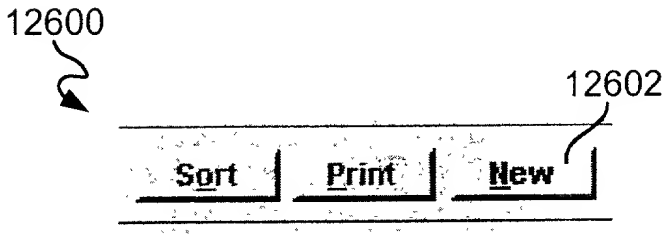

FIG. 126

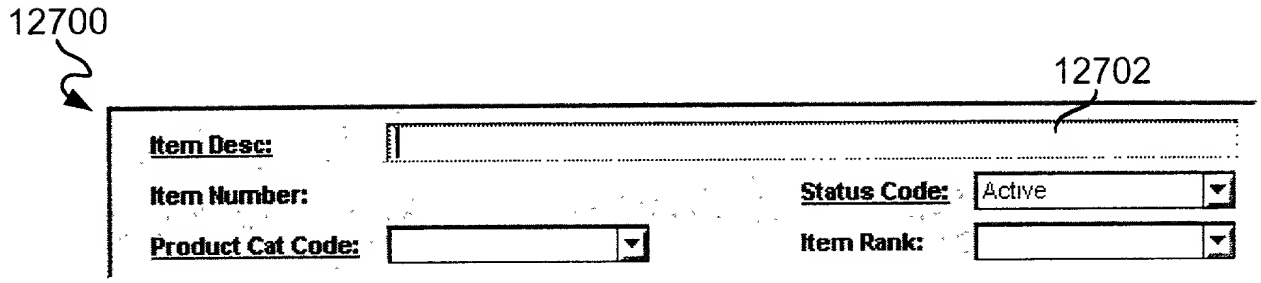

FIG. 127

12800

Landed Cost by Distribution Center

Item	Inv FOB	Freight	Landed	Routing
Bag - Medium	4.85	0.23	5.08	TL
Bag - Large	6.7	0.23	6.93	TL
Biscuits - Frozen	12.33	1.15	13.48	TL
Brush - Pot, Long Handle	40.2	2.02	42.22	TL
Brush - Pot, Short Handle	24	1.39	25.39	TL
Carton - Breakfast	16.59	1.1	17.69	RDC
Carton - Large Fry	29.91	0.81	30.72	RDC
Carton - Medium Fry	18.92	0.73	19.65	TLMIN

FIG. 128

PCT/US2003/029859

12900

FIG. 129

13000

Supplier Item Desc:		Item No:	
Current:	Yes / No	Tie Qty:	
Items per Case:	5000	High Qty:	
Innerpack Contents:	5/1000	Cases Per Pallet:	
Item Size:		Stacking Allowed:	
Case Length:		Universal Product Code:	
Case Width:		Cases Per Truckload:	1350
Case Depth:		Net Weight:	39 00
Case Dimension U/M:	INCHE(S)	Gross Weight:	39 00
Item Cube:	0.95 CUBIC FEET	Weight U/M:	POUND(S)
Item Shelf Life:		BarCode:	

White Boxes Are Copied Across Suppliers / Grey Boxes Are Only Copied Within Same Supplier

FIG. 130

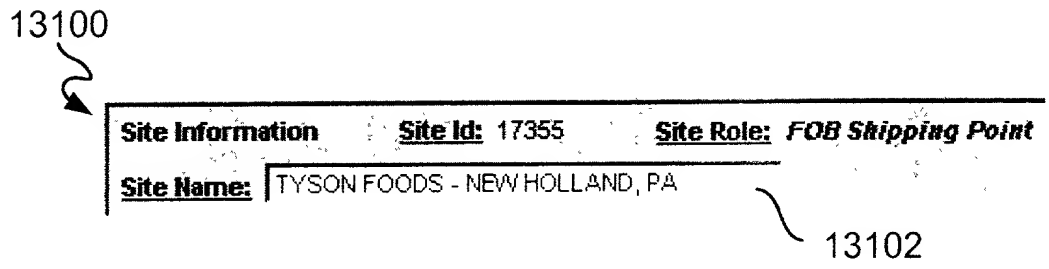

FIG. 131

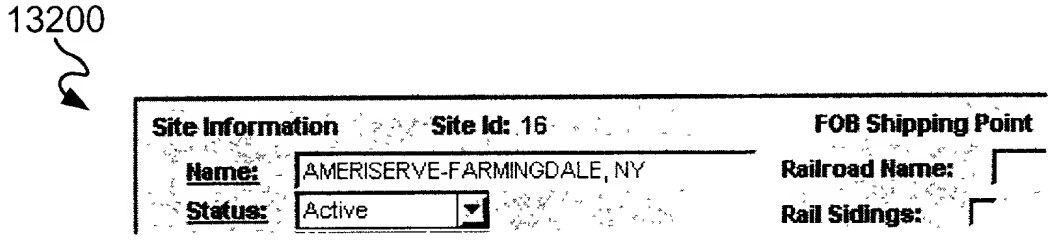

FIG. 132

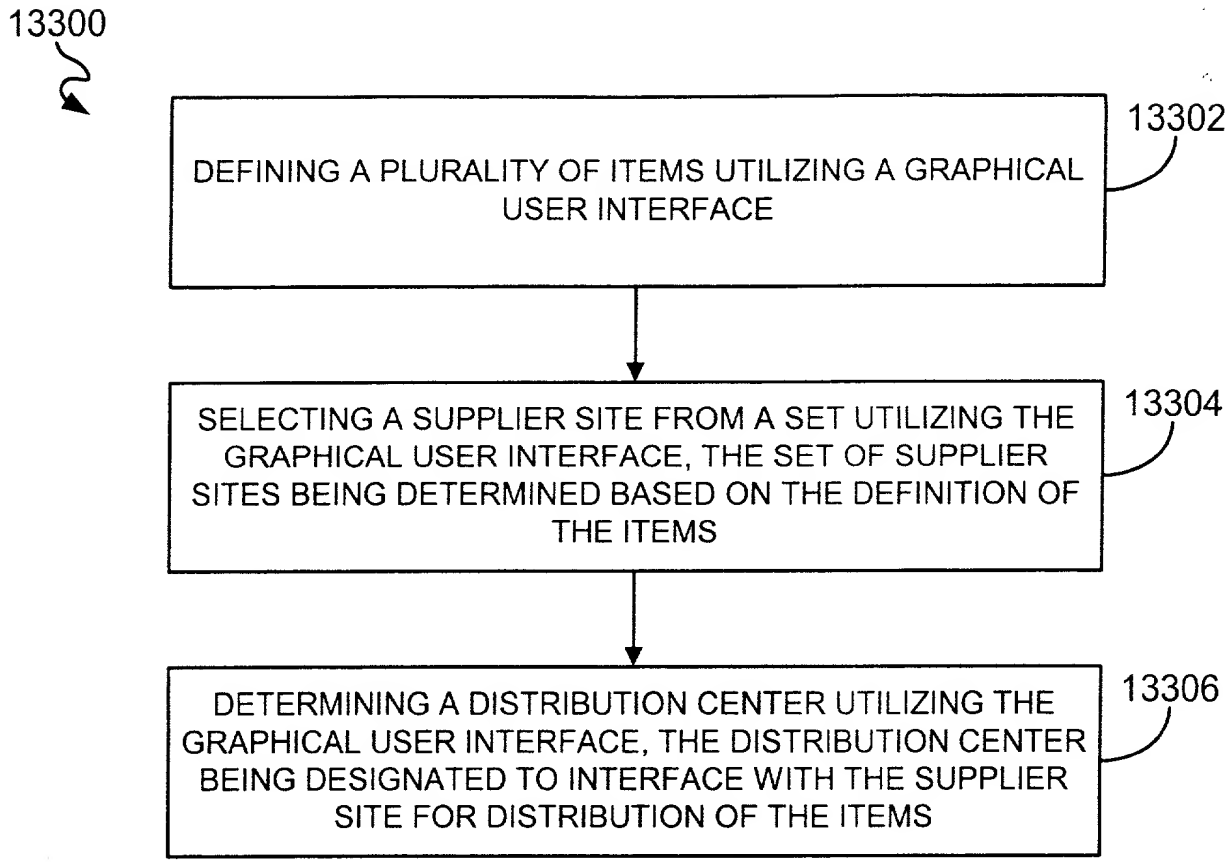
13300
DEFINING A PLURALITY OF ITEMS UTILIZING A GRAPHICAL USER INTERFACE
13302
SELECTING A SUPPLIER SITE FROM A SET UTILIZING THE GRAPHICAL USER INTERFACE, THE SET OF SUPPLIER SITES BEING DETERMINED BASED ON THE DEFINITION OF THE ITEMS
13304
DETERMINING A DISTRIBUTION CENTER UTILIZING THE GRAPHICAL USER INTERFACE, THE DISTRIBUTION CENTER BEING DESIGNATED TO INTERFACE WITH THE SUPPLIER SITE FOR DISTRIBUTION OF THE ITEMS
13306

FIG. 133

13400

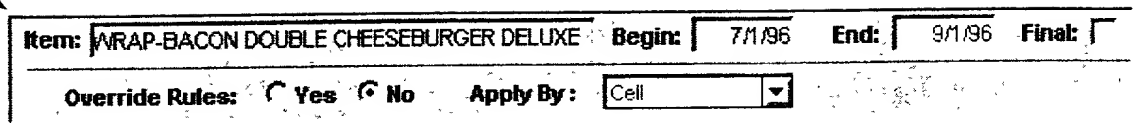

FIG. 134

13500

DC	Supplier FOB Point
AMERISERVE-DENVER, CO	TYSON FOODS - GREEN FOREST, AR
AMERISERVE-DOUGLASVILLE,	TYSON FOODS - ALBERTVILLE, AL
AMERISERVE-FARMINGDALE, N	TYSON FOODS - NEW HOLLAND, PA

FIG. 135

13600

Con FOB	Inv FOB	Freight	Landed
34 3200	34 3900	0 8400	35.2300
34 3200	34.3900	0 2900	34.6800

FIG. 136

13700

Contr	LB	Trk	Routing
96	83,600	2 0	TL
96	215,040	5 1	TL

FIG. 137

US 2006/0265349 A1

13800

FIG. 138

13900

Min Ordr	UM	Slip	Deliv.
1	TRUCKLOAD(S	Pallet	
1	TRUCKLOAD(S	Pallet	

FIG. 139

14000

Carrier	Stated Vol
Truck	83,600
Truck	215,040

FIG. 140

14200

FIG. 142

14100

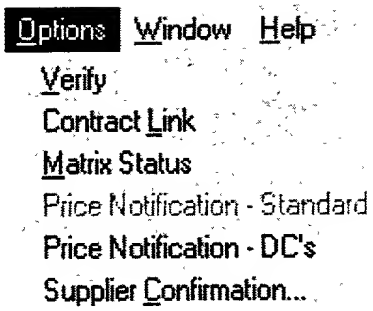

FIG. 141

14300

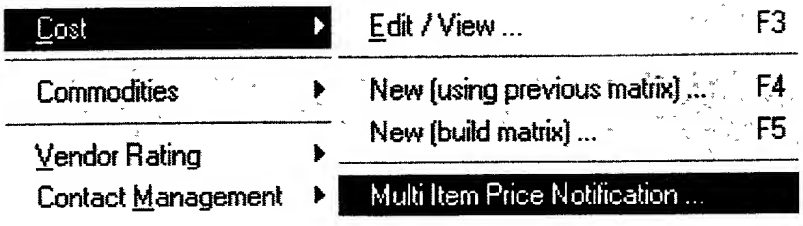

FIG. 143

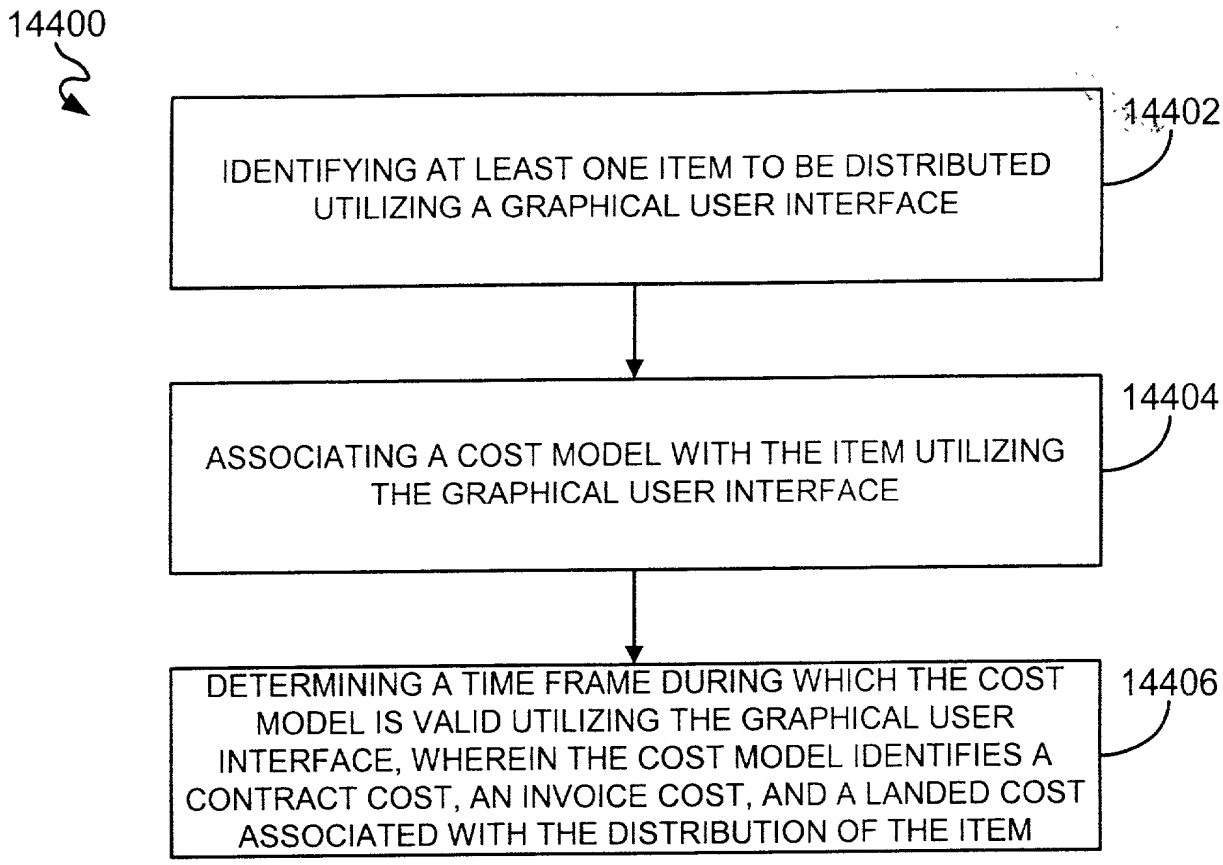
14400
IDENTIFYING AT LEAST ONE ITEM TO BE DISTRIBUTED UTILIZING A GRAPHICAL USER INTERFACE
14402
ASSOCIATING A COST MODEL WITH THE ITEM UTILIZING THE GRAPHICAL USER INTERFACE
14404
DETERMINING A TIME FRAME DURING WHICH THE COST MODEL IS VALID UTILIZING THE GRAPHICAL USER INTERFACE, WHEREIN THE COST MODEL IDENTIFIES A CONTRACT COST, AN INVOICE COST, AND A LANDED COST ASSOCIATED WITH THE DISTRIBUTION OF THE ITEM
14406

FIG. 144

5,930,769 - 20 - 5,930,769

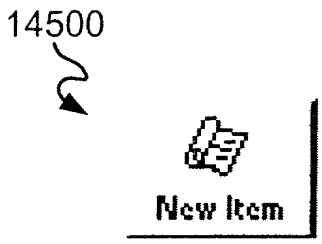

FIG. 145

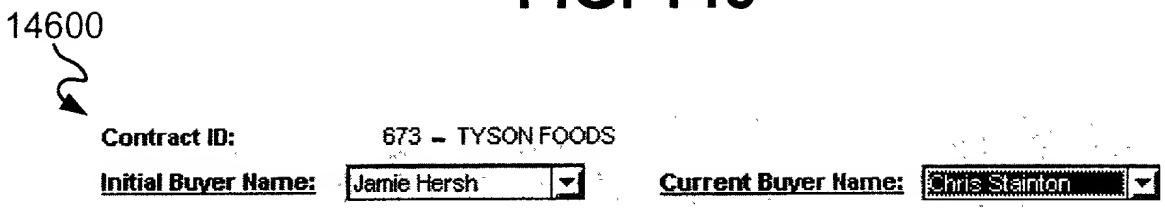

FIG. 146

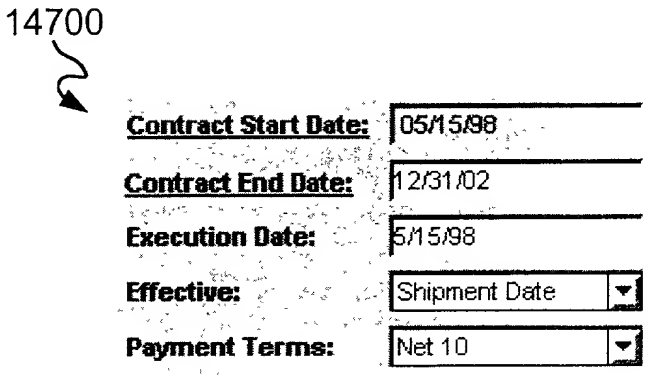

FIG. 147

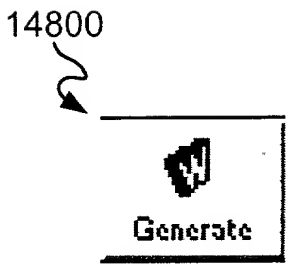

FIG. 148

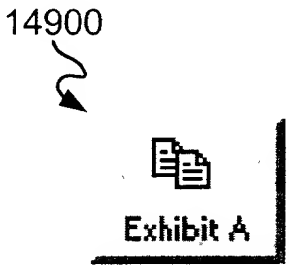

FIG. 149

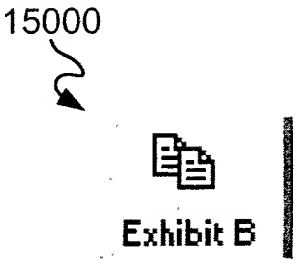

FIG. 150

15100

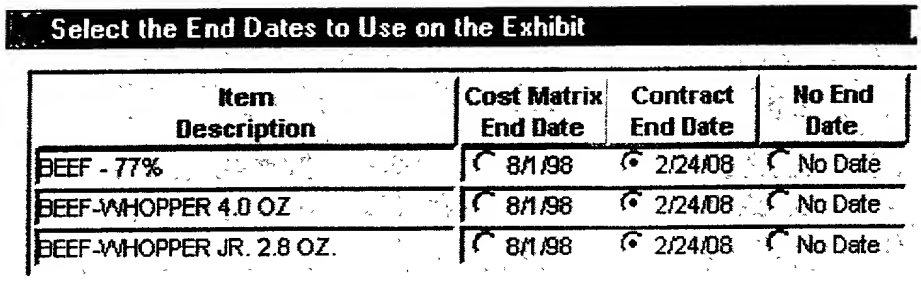

FIG. 151

15200

FIG. 152

15300

FIG. 153

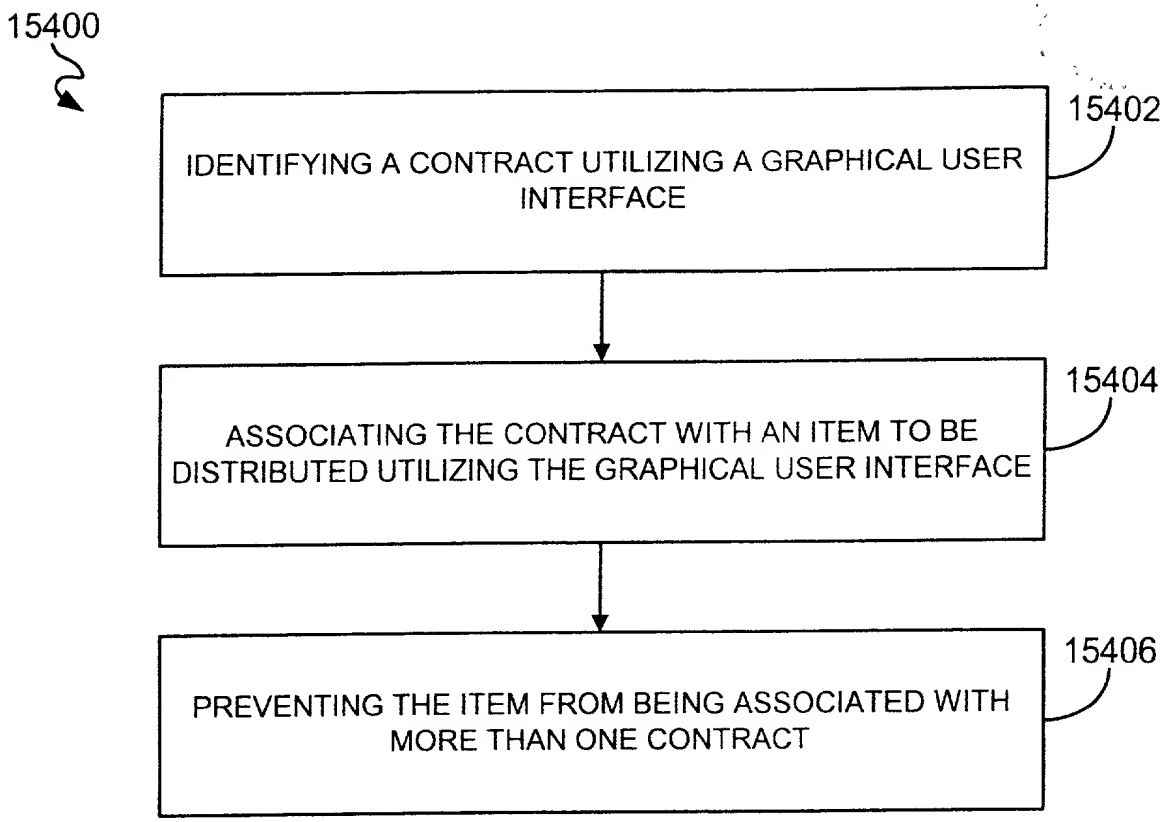
15400
IDENTIFYING A CONTRACT UTILIZING A GRAPHICAL USER INTERFACE
15402
ASSOCIATING THE CONTRACT WITH AN ITEM TO BE DISTRIBUTED UTILIZING THE GRAPHICAL USER INTERFACE
15404
PREVENTING THE ITEM FROM BEING ASSOCIATED WITH MORE THAN ONE CONTRACT
15406

FIG. 154

5,930,762 - 5,930,762

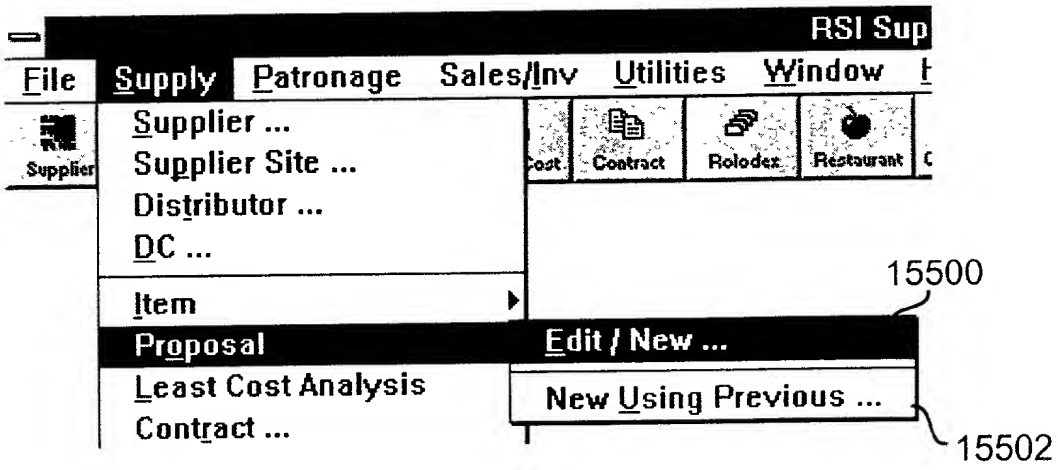

FIG. 155

15600

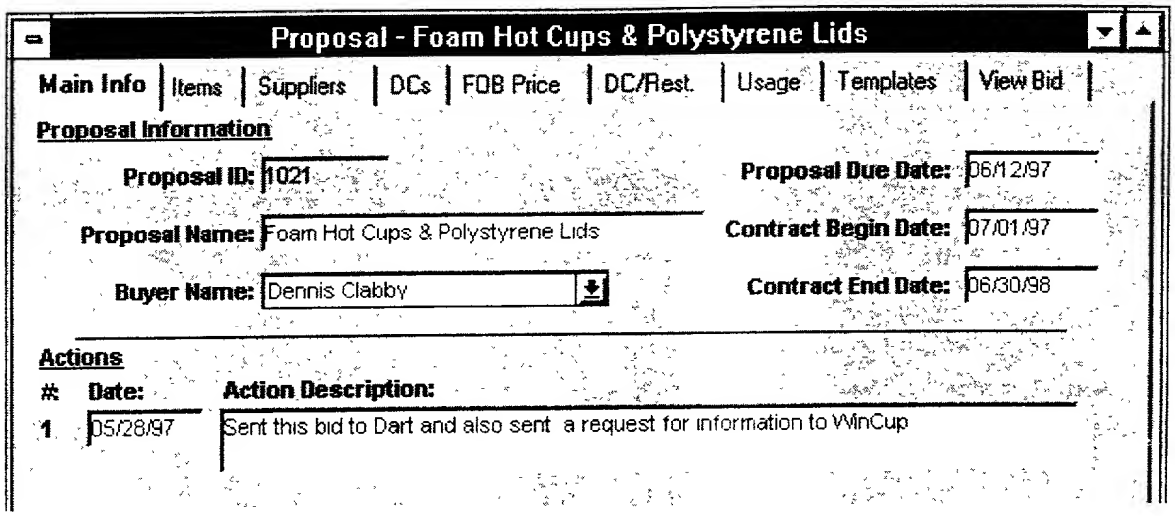

FIG. 156

5,794,210 - 5,855,559

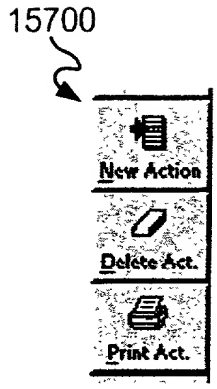

FIG. 157

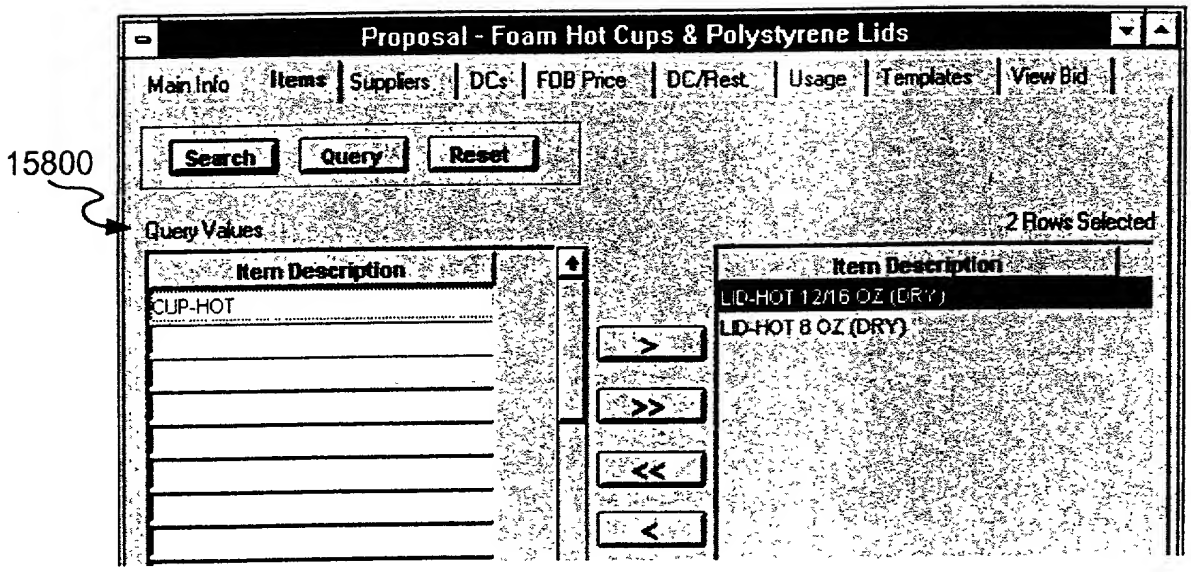

FIG. 158

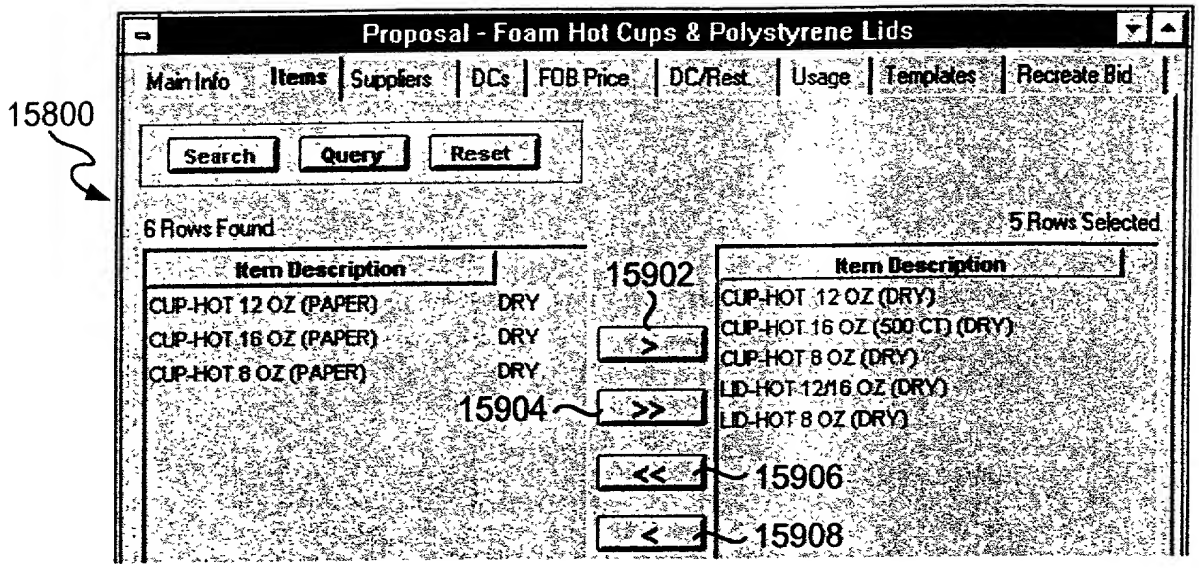

FIG. 159

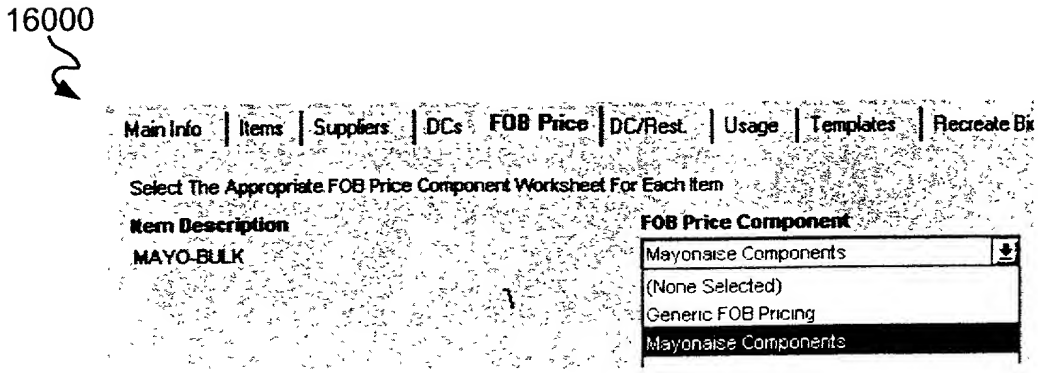

FIG. 160

16100

Item	Growth %	Gross Wgt.	Item Cube	Contract Period
CHICKEN-BK BROILER	5.00%	32	1.26	09/01/97 to 12/31/97
CHICKEN-PATTY	7 00%	37 00	1 09	
CHICKEN-TENDERS	0 00%	25 00	1.06	

Distribution Center	Previous Case Usage	Projected Rest. Count	Covg. Factor	Avg. # RM	DC/Item Growth	Projected Unit Usage
POST-ALBUQUERQ	576	30	99.34%	6.03	5 00%	755
POST-DENVER	833	39	99.05%	6.68	5 00%	1,083
POST-SALT LAKE	116	2	80.00%	5.46	5 00%	37

FIG. 161

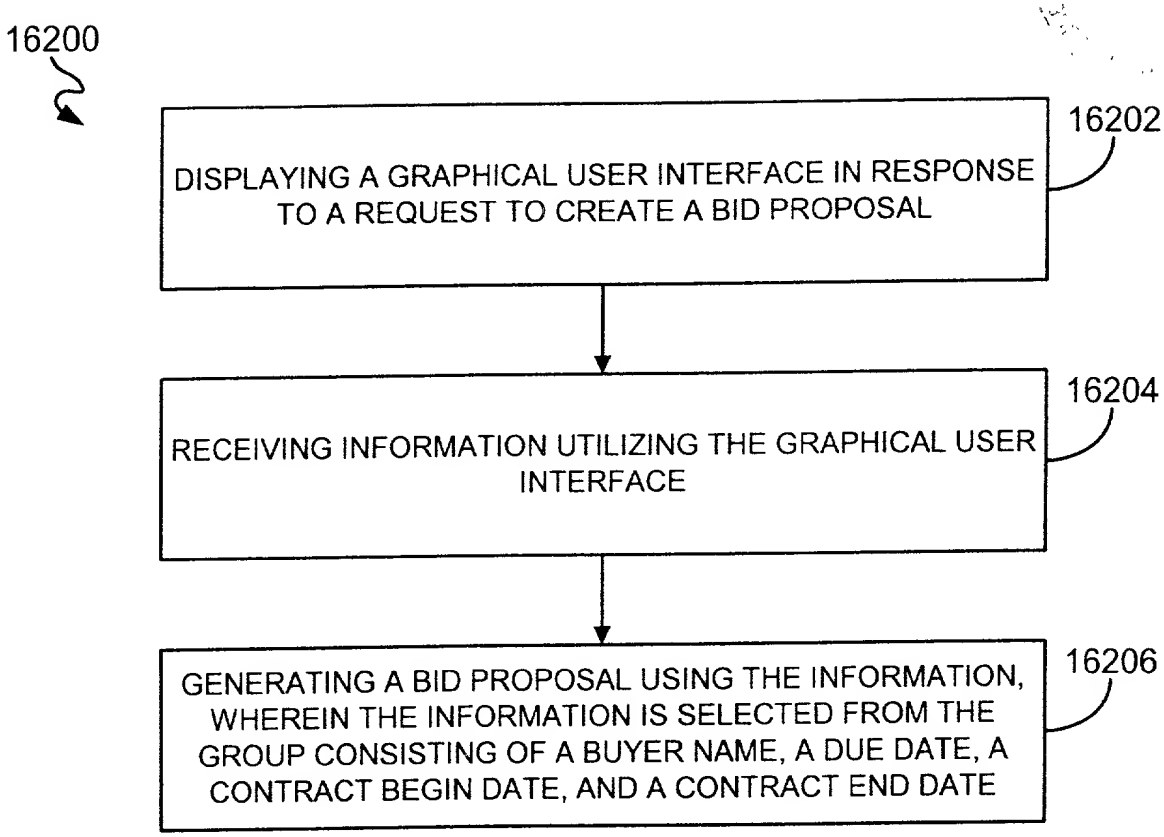
16200
DISPLAYING A GRAPHICAL USER INTERFACE IN RESPONSE TO A REQUEST TO CREATE A BID PROPOSAL
16202
RECEIVING INFORMATION UTILIZING THE GRAPHICAL USER INTERFACE
16204
GENERATING A BID PROPOSAL USING THE INFORMATION, WHEREIN THE INFORMATION IS SELECTED FROM THE GROUP CONSISTING OF A BUYER NAME, A DUE DATE, A CONTRACT BEGIN DATE, AND A CONTRACT END DATE
16206

FIG. 162

16300

FIG. 163

16400

	Supply	*MS Word*	*Editable Y/N*
Bid Proposal Cover Letter		?	Y
General Terms and Conditions		?	N
Usage Estimates	?		N
Supplier Facility Worksheets	?		N
Item Information Worksheets	?		N
Sample Supply Agreement		?	N
BK Specification Request		?	N
FOB Price Component		?	Y
Truckload Freight Worksheet	?		N
LTL Freight Worksheet	?		N

FIG. 164

5,930,459 - 4,959,768

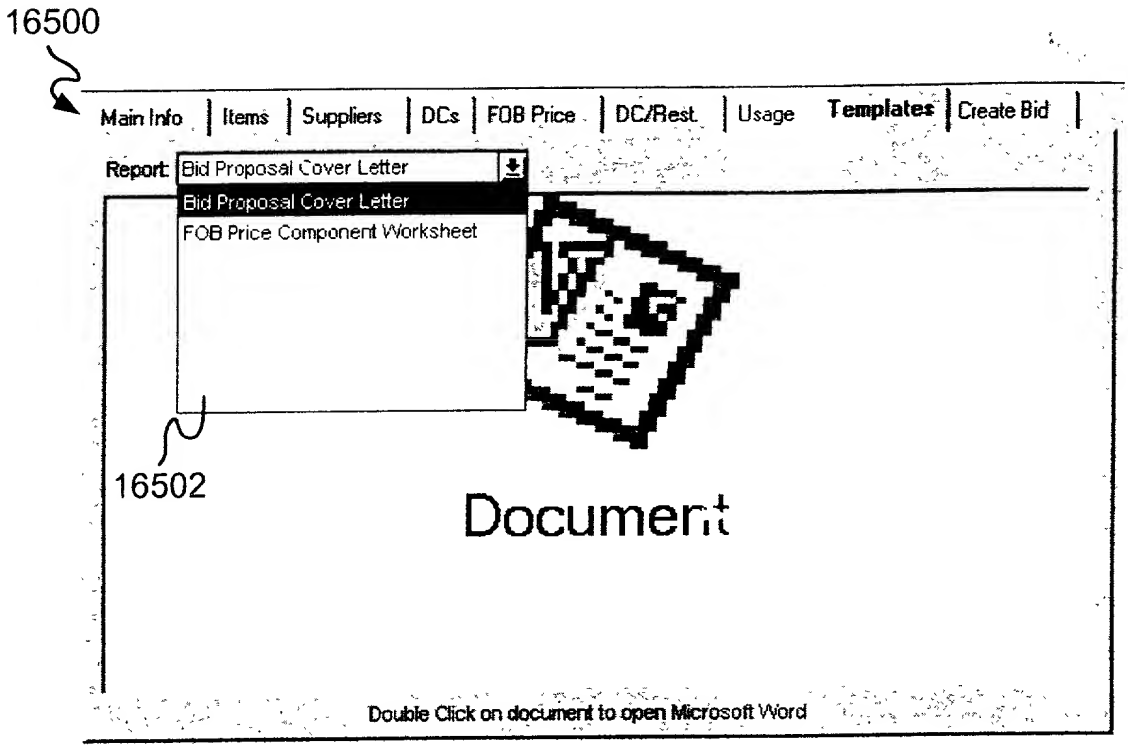

FIG. 165

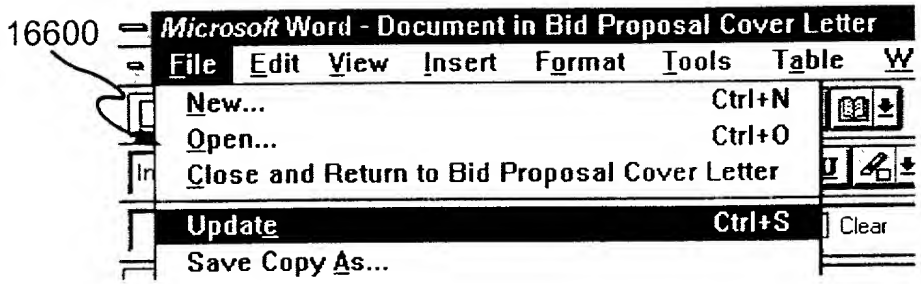

FIG. 166

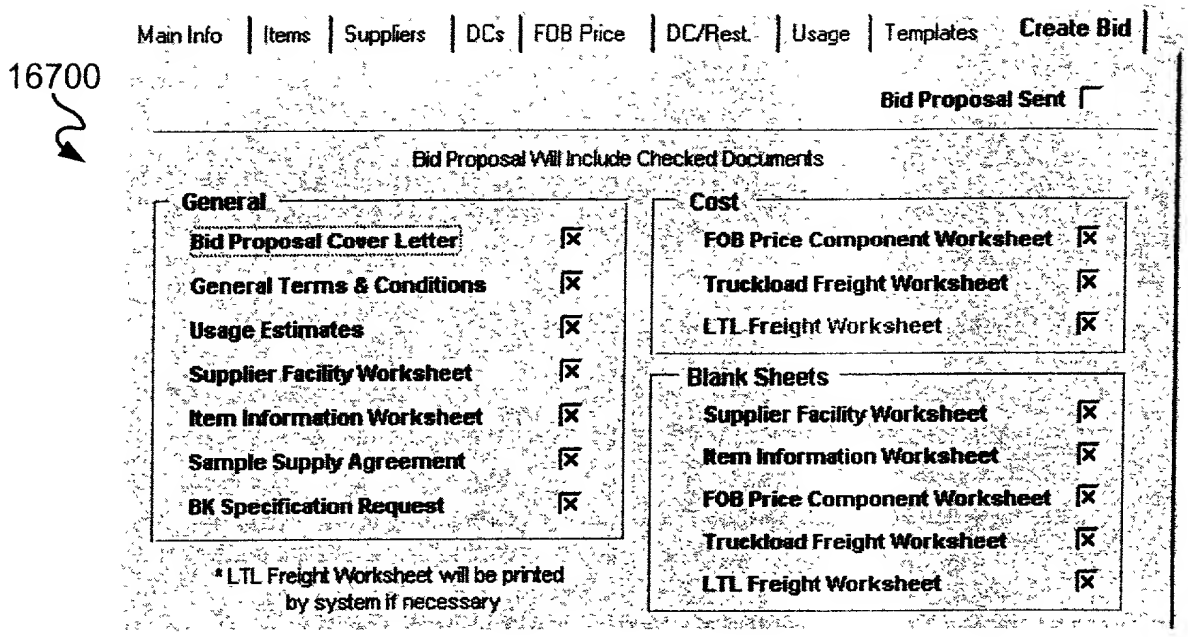

FIG. 167

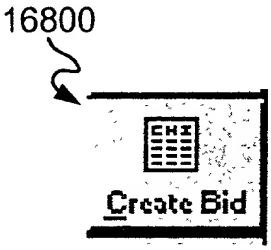

FIG. 168

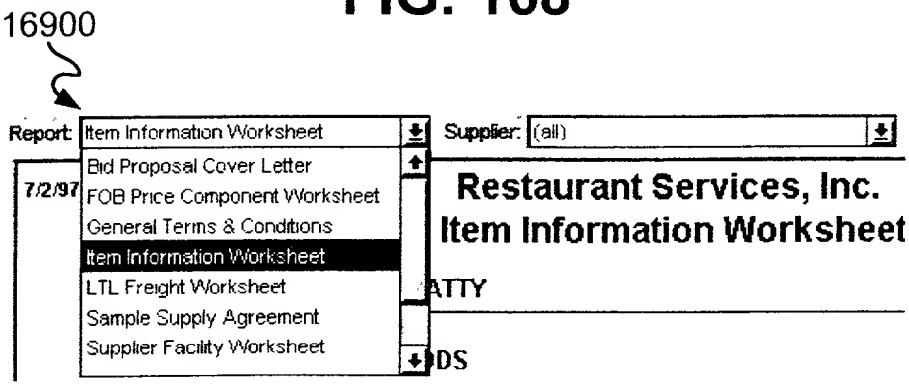

FIG. 169

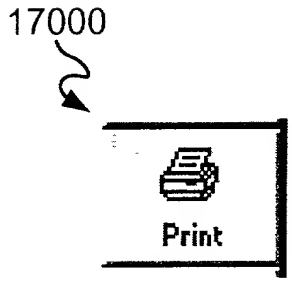

FIG. 170

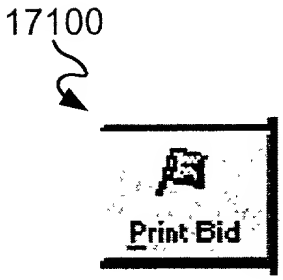

FIG. 171

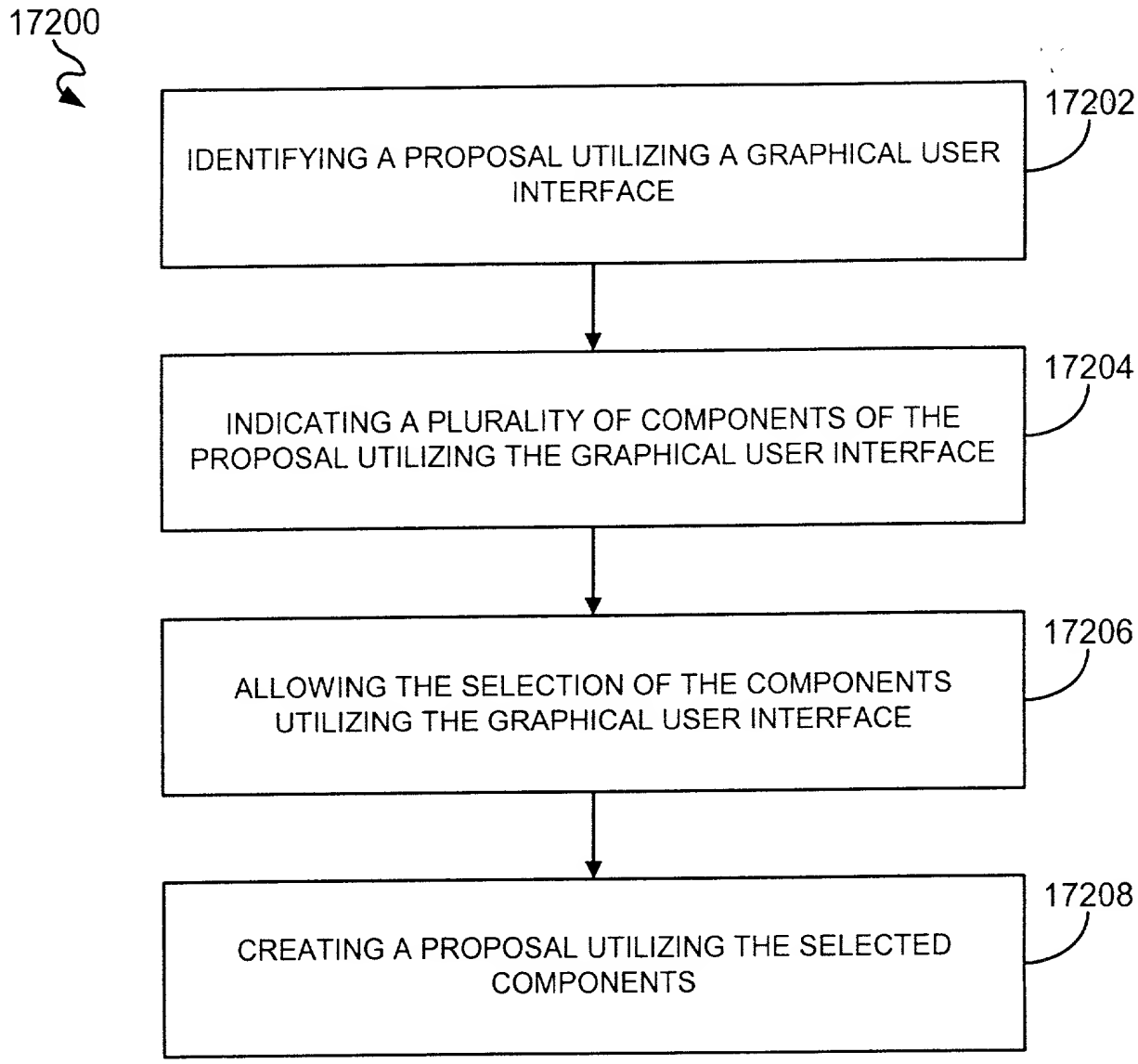
17200
IDENTIFYING A PROPOSAL UTILIZING A GRAPHICAL USER INTERFACE
17202
INDICATING A PLURALITY OF COMPONENTS OF THE PROPOSAL UTILIZING THE GRAPHICAL USER INTERFACE
17204
ALLOWING THE SELECTION OF THE COMPONENTS UTILIZING THE GRAPHICAL USER INTERFACE
17206
CREATING A PROPOSAL UTILIZING THE SELECTED COMPONENTS
17208

FIG. 172

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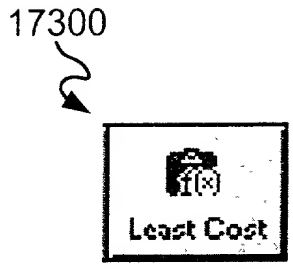

FIG. 173

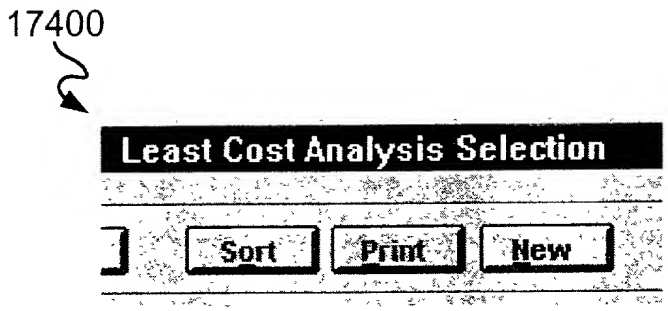

FIG. 174

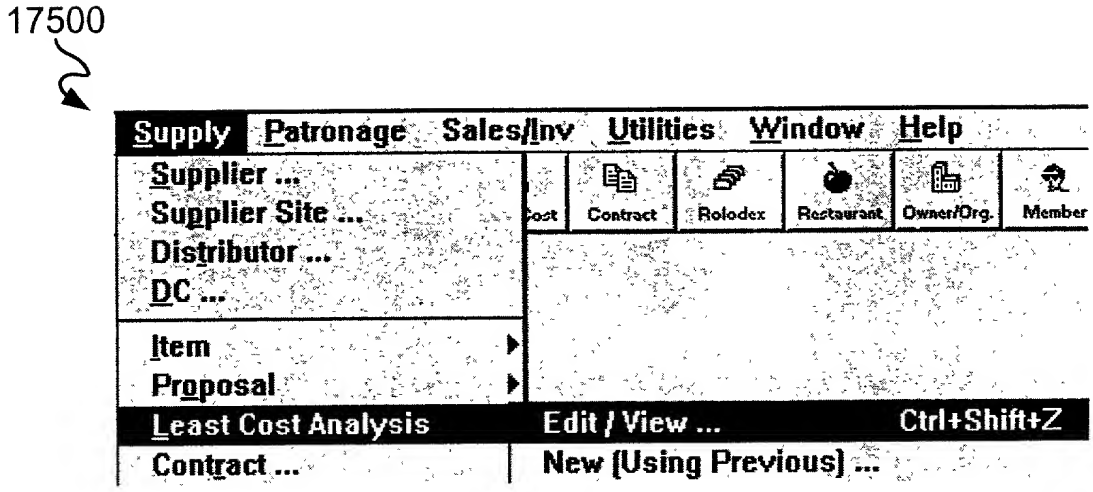

FIG. 175

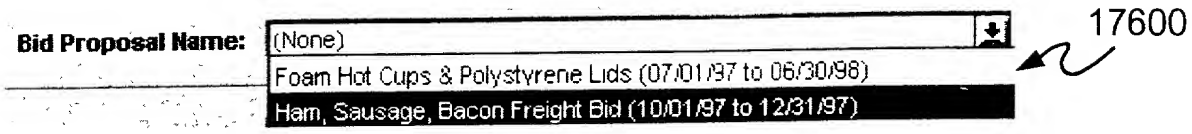

FIG. 176

EXHIBIT 2059 PAGE 0

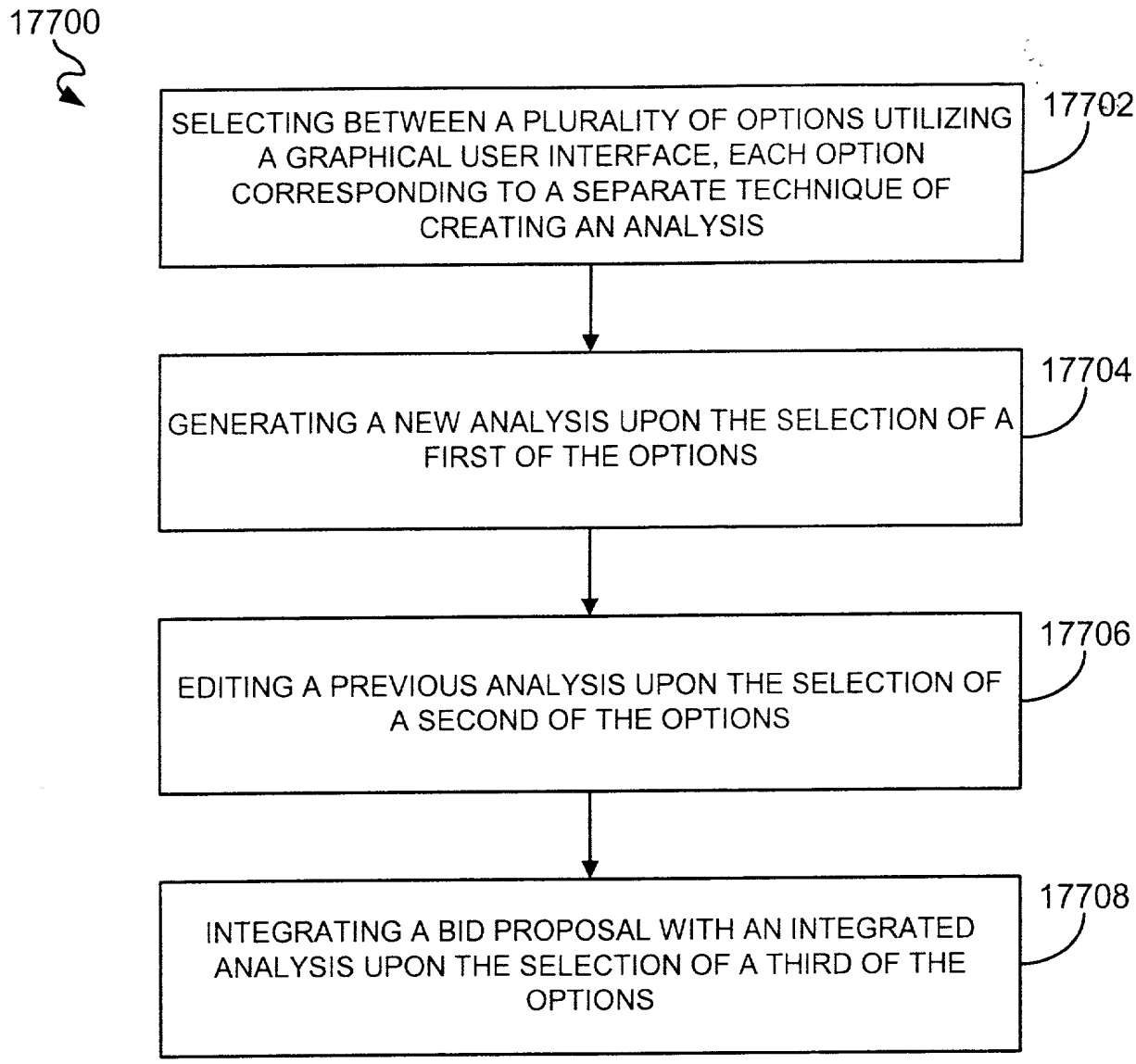
17700
SELECTING BETWEEN A PLURALITY OF OPTIONS UTILIZING A GRAPHICAL USER INTERFACE, EACH OPTION CORRESPONDING TO A SEPARATE TECHNIQUE OF CREATING AN ANALYSIS
17702
GENERATING A NEW ANALYSIS UPON THE SELECTION OF A FIRST OF THE OPTIONS
17704
EDITING A PREVIOUS ANALYSIS UPON THE SELECTION OF A SECOND OF THE OPTIONS
17706
INTEGRATING A BID PROPOSAL WITH AN INTEGRATED ANALYSIS UPON THE SELECTION OF A THIRD OF THE OPTIONS
17708

FIG. 177

Express Mail No. EV339142953US

17800

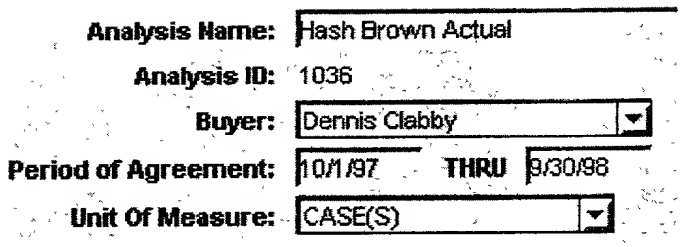

FIG. 178

17900

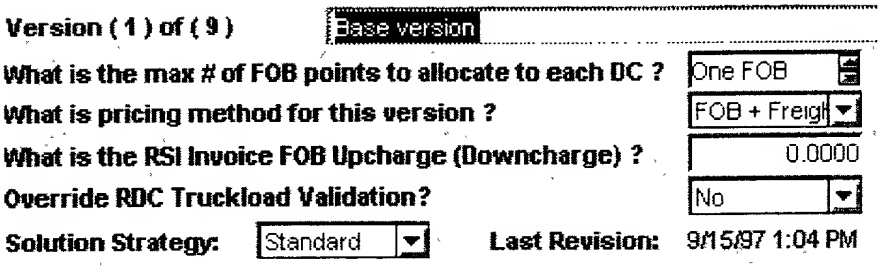

FIG. 179

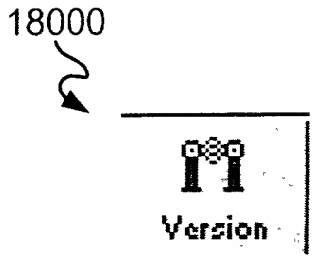

FIG. 180

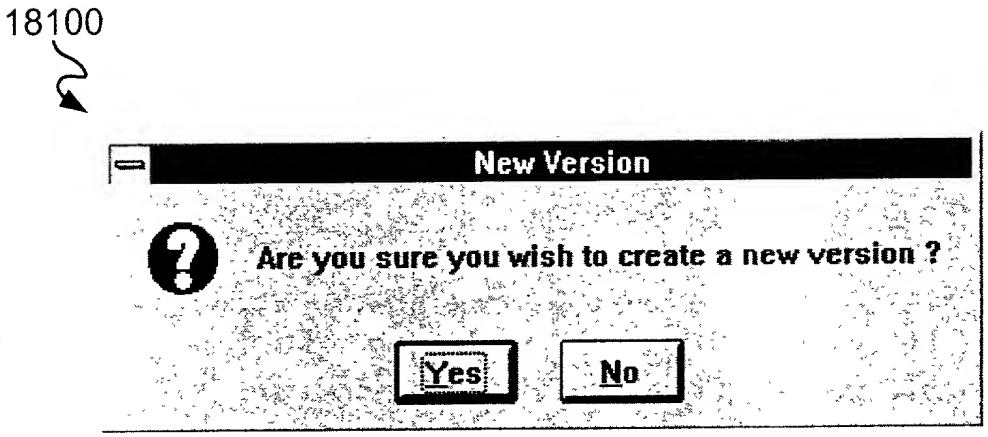

FIG. 181

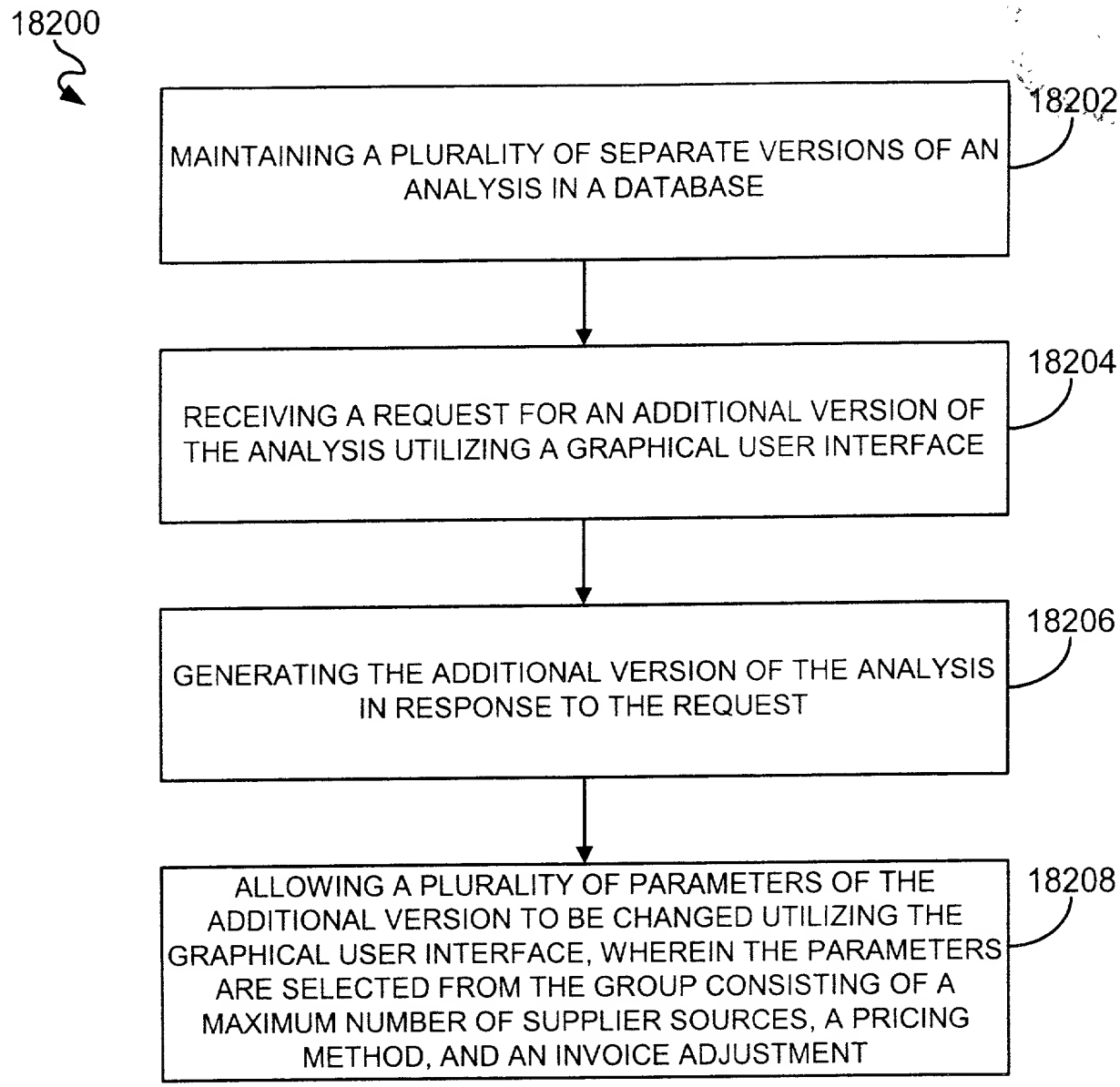
18200
MAINTAINING A PLURALITY OF SEPARATE VERSIONS OF AN ANALYSIS IN A DATABASE
18202
RECEIVING A REQUEST FOR AN ADDITIONAL VERSION OF THE ANALYSIS UTILIZING A GRAPHICAL USER INTERFACE
18204
GENERATING THE ADDITIONAL VERSION OF THE ANALYSIS IN RESPONSE TO THE REQUEST
18206
ALLOWING A PLURALITY OF PARAMETERS OF THE ADDITIONAL VERSION TO BE CHANGED UTILIZING THE GRAPHICAL USER INTERFACE, WHEREIN THE PARAMETERS ARE SELECTED FROM THE GROUP CONSISTING OF A MAXIMUM NUMBER OF SUPPLIER SOURCES, A PRICING METHOD, AND AN INVOICE ADJUSTMENT
18208

FIG. 182

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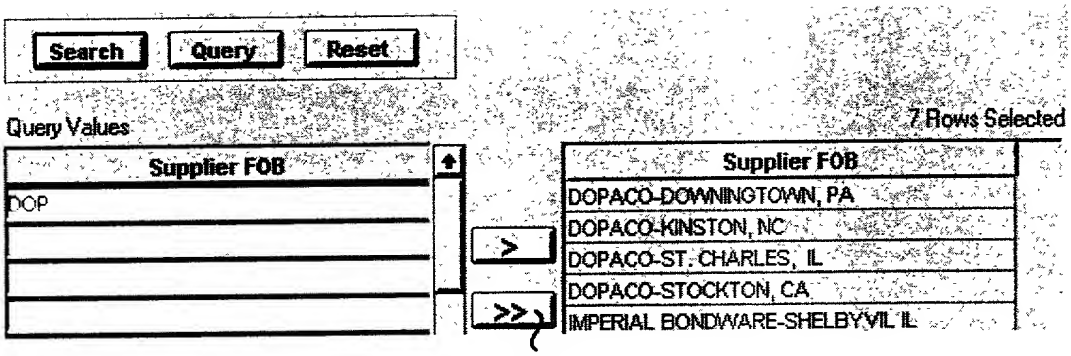
18300



18302

FIG. 183

18400

Item Description	Conv. Factor
FRIES-COATED (FRZN)	36

18402

FIG. 184

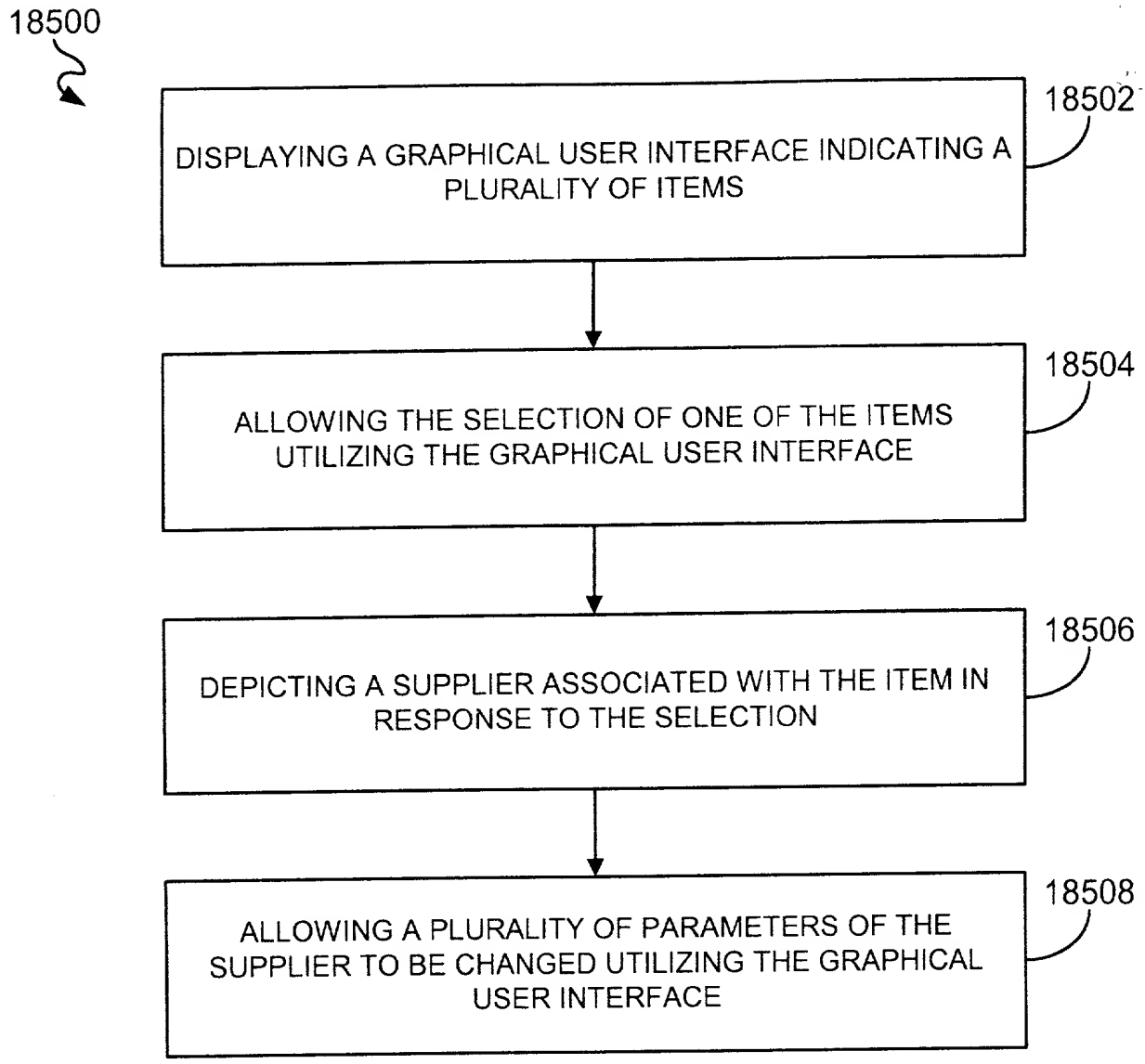

18500
DISPLAYING A GRAPHICAL USER INTERFACE INDICATING A PLURALITY OF ITEMS
18502
ALLOWING THE SELECTION OF ONE OF THE ITEMS UTILIZING THE GRAPHICAL USER INTERFACE
18504
DEPICTING A SUPPLIER ASSOCIATED WITH THE ITEM IN RESPONSE TO THE SELECTION
18506
ALLOWING A PLURALITY OF PARAMETERS OF THE SUPPLIER TO BE CHANGED UTILIZING THE GRAPHICAL USER INTERFACE
18508

FIG. 185

18600

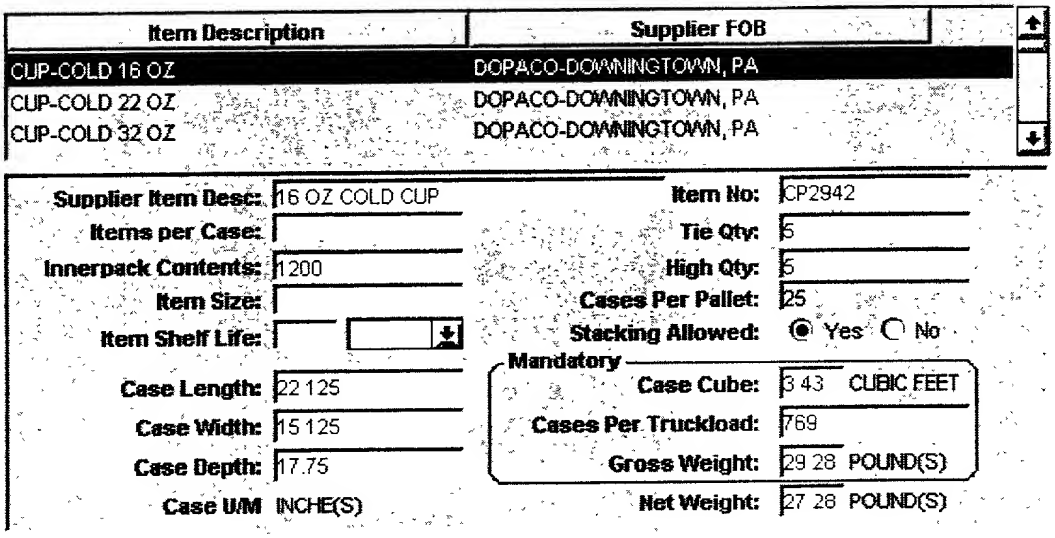


FIG. 186

18700

FIG. 187

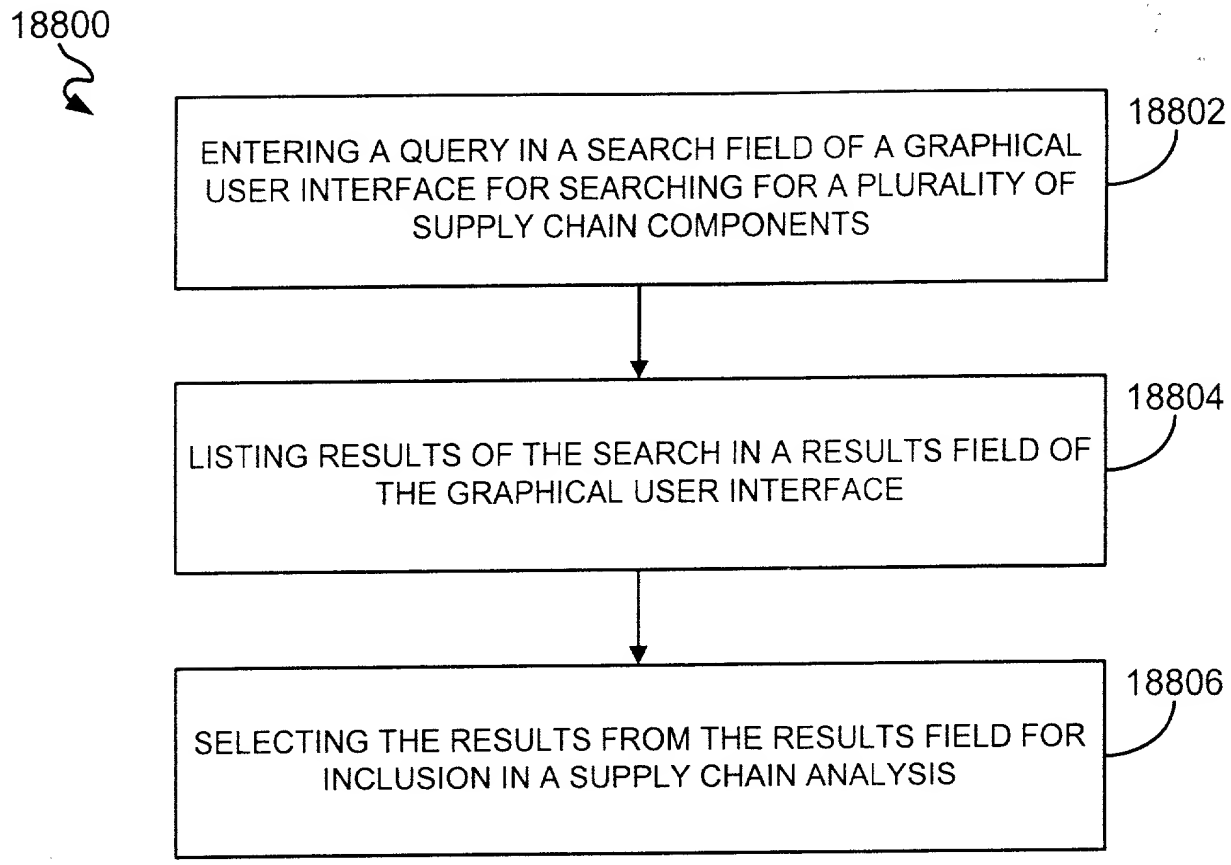

18800
ENTERING A QUERY IN A SEARCH FIELD OF A GRAPHICAL USER INTERFACE FOR SEARCHING FOR A PLURALITY OF SUPPLY CHAIN COMPONENTS
18802
LISTING RESULTS OF THE SEARCH IN A RESULTS FIELD OF THE GRAPHICAL USER INTERFACE
18804
SELECTING THE RESULTS FROM THE RESULTS FIELD FOR INCLUSION IN A SUPPLY CHAIN ANALYSIS
18806

FIG. 188

18900

Supplier	Terms	SLP/PLT	Minimum	Maximum	Include
CAVENDISH FARMS		Pallet			Yes / No
J.R. SIMPLOT COMPANY		Pallet			Yes / No
LAMB-WESTON, INC.		Pallet	200,000,000		Yes / No

Supplier FOB	Minimum	Maximum	Include
LAMB-WESTON, INC.-PASCO, WA	90,000,000	110,000,000	Yes / No
LAMB-WESTON, INC.-RICHLAND WA	0	55,000,000	Yes / No
LAMB-WESTON, INC.-AMERICAN FALLS ID	90,000,000	110,000,000	Yes / No

FIG. 189

19000

Supplier	Terms	SLP/PLT	Minimum	Maximum	Include
MCCAIN FOODS		Pallet			Yes / No
NESTLE FOOD COMPANY		Pallet			Yes / No
ORE-IDA FOODS		Pallet	225,000,000		Yes / No

Supplier FOB	Minimum	Maximum	Include
MCCAIN FOODS, LTD.-PRINCE EDWARD ISLAND	18,000,000	30,000,000	Yes / No
MCCAIN FOODS,LTD.-PORTAGE LE PRAIRIE	45,000,000	50,000,000	Yes / No
MCCAIN FOODS, INC-OTHELLO, WA	27,000,000	132,000,000	Yes / No

FIG. 190

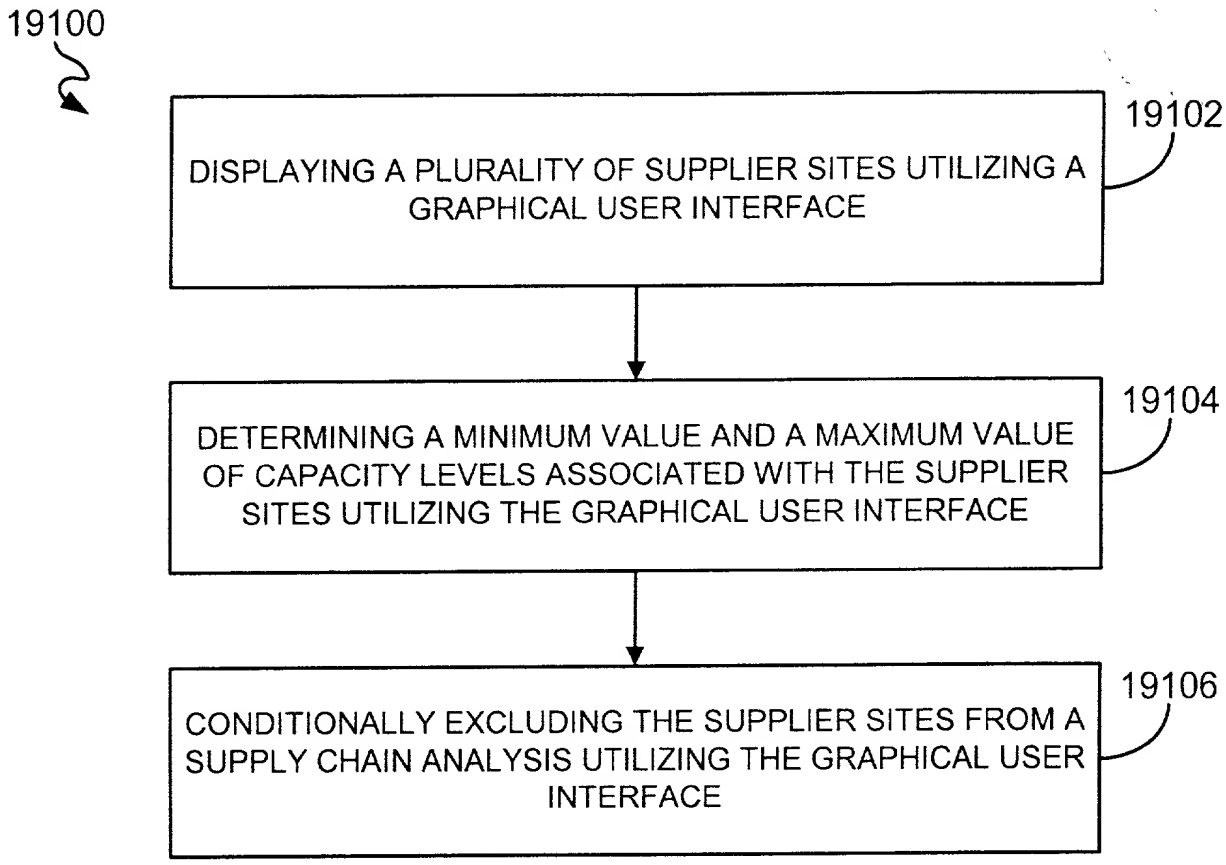

19100
DISPLAYING A PLURALITY OF SUPPLIER SITES UTILIZING A GRAPHICAL USER INTERFACE
19102
DETERMINING A MINIMUM VALUE AND A MAXIMUM VALUE OF CAPACITY LEVELS ASSOCIATED WITH THE SUPPLIER SITES UTILIZING THE GRAPHICAL USER INTERFACE
19104
CONDITIONALLY EXCLUDING THE SUPPLIER SITES FROM A SUPPLY CHAIN ANALYSIS UTILIZING THE GRAPHICAL USER INTERFACE
19106

FIG. 191

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19200

Supplier	#	Volume
HUDSON INDUSTRIES	0	
INTERNATIONAL DIVERSEFOODS	0	
SUPERIOR COFFEE & FOODS	0	

Supplier FOB	Item	Cont FOB	#	Volume
HUDSON INDUSTRIES-TROY AL	MAYO-BULK	8 4200	0	
HUDSON INDUSTRIES-TROY AL	SAUCE-BULK-TARTAR	9 2300	0	

FIG. 192

19300

Supplier	#	Volume
SSI FOOD SERVICES	0	
TEXAS AMERICAN FOOD SERVICE	0	
WHITEFORD FOODS	0	

Supplier FOB	Item	Cont FOB	#	Volume
TEXAS AMERICAN FOOD SERVICE-TX	BEEF - 77%	1.0026	0	
TEXAS AMERICAN FOOD SERVICE-TX	BEEF - 77%	1.0016	1	2,090,000
TEXAS AMERICAN FOOD SERVICE-TX	BEEF - 77%	1.0010	2	2,508,000

FIG. 193

19400

Supplier	#	Volume
VENTURA FOODS	0	
VENTURA FOODS	1	100,000

Supplier FOB	Item	Cont FOB	#	Volume
VENTURA FOODS-CHAMBERSBURG, PA	MAYO-BULK	8.9400	0	
VENTURA FOODS-CHAMBERSBURG, PA	MAYO-BULK	8.8400	1	
VENTURA FOODS-CHAMBERSBURG, PA	SAUCE-BULK-TARTAR	9.5100	0	
VENTURA FOODS-CHAMBERSBURG, PA	SAUCE-BULK-TARTAR	9.4100	1	
VENTURA FOODS-CITY OF INDUSTRY	MAYO-BULK	9.1200	0	
VENTURA FOODS-CITY OF INDUSTRY	MAYO-BULK	9.0200	1	
VENTURA FOODS-CITY OF INDUSTRY	SAUCE-BULK-TARTAR	9.5800	0	
VENTURA FOODS-CITY OF INDUSTRY	SAUCE-BULK-TARTAR	9.4800	1	

FIG. 194

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19500

Item Description	Supplier FOB
FRIES-COATED	CAVENDISH-PRINCE EDWARD
FRIES-COATED	J.R. SIMPLOT COMPANY-HERMISTON
FRIES-COATED	LAMB-WESTON, INC.-PASCO, WA

Distribution Center	Delivered	#	Volume
AMERISERVE-OMAHA, NE	0 3750	0	0
AMERISERVE-PLYMOUTH, MN	0 3850	0	0
AMERISERVE-WAUKESHA	0 3670	0	0
FLEMING FOODS-KAPOLEI	0 4725	0	0
KING PROVISION-ATLANTA	0 3950	0	0

FIG. 195

Patent Application Publication Dec. 6, 2007 Sheet 195 of 195 US 2007/0282675 A1

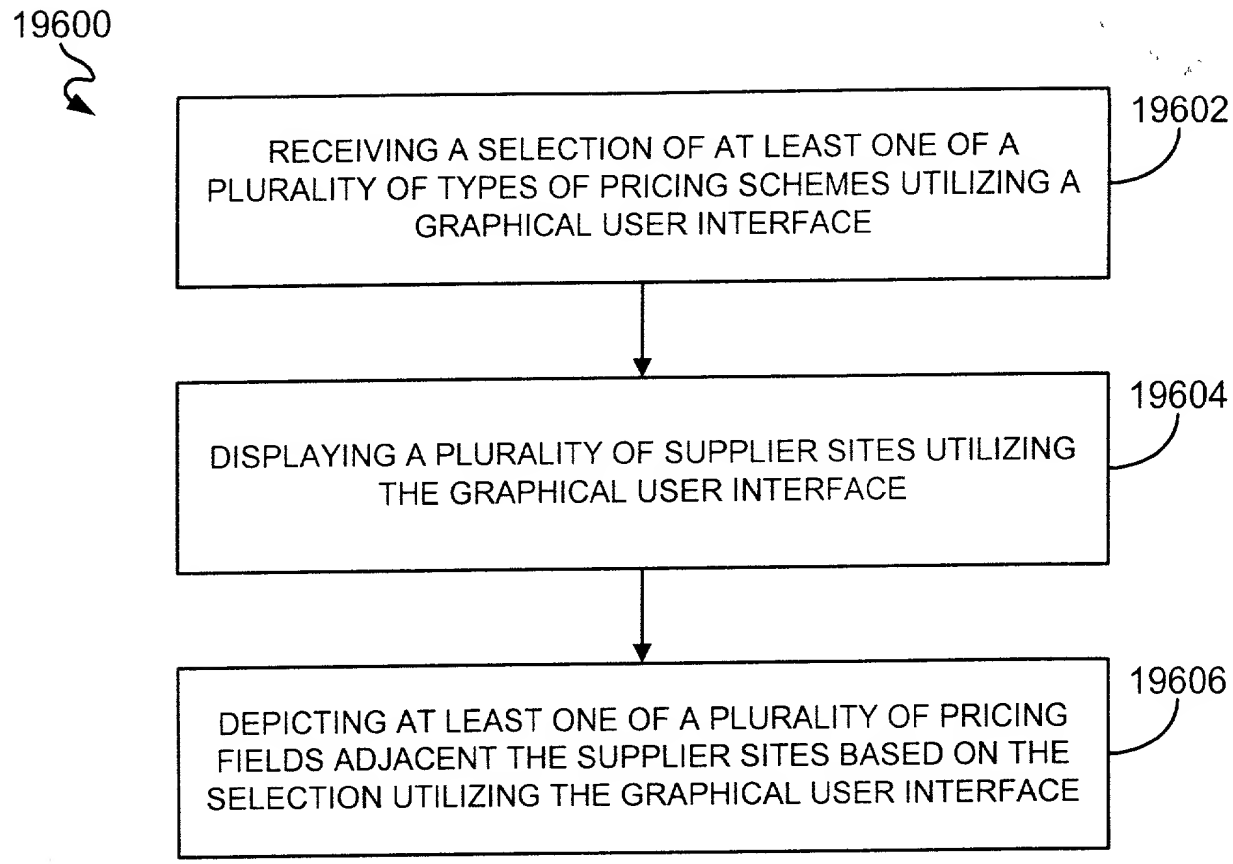
19600
RECEIVING A SELECTION OF AT LEAST ONE OF A PLURALITY OF TYPES OF PRICING SCHEMES UTILIZING A GRAPHICAL USER INTERFACE
19602
DISPLAYING A PLURALITY OF SUPPLIER SITES UTILIZING THE GRAPHICAL USER INTERFACE
19604
DEPICTING AT LEAST ONE OF A PLURALITY OF PRICING FIELDS ADJACENT THE SUPPLIER SITES BASED ON THE SELECTION UTILIZING THE GRAPHICAL USER INTERFACE
19606

FIG. 196

19700

Total Rest. Growth Amount: 5.00% ~19702

Usage Period: 09/01/97 to 08/31/98

Distribution Center	Current Rest. Count	Restaurant Growth %	Projected Avg. Rest. Count
AMERISERVE\POST-ALBUQUERQUE	27	5.00%	28
AMERISERVE\POST-DENVER	35	5.00%	37
AMERISERVE\POST-SALT LAKE,UT	2	5.00%	2
AMERISERVE-OMAHA, NE	166	5.00%	174

FIG. 197

19800

Item	Item Growth %	Usage Period
CHICKEN-PATTY	.0.00	

Distribution Center	Previous Usage	Projected Rest. Count	Covg. Factor	Avg. # RM	DC/Item Growth	Projected Usage
AMER-OMAMA	44,035	166	98.49%	24.12	4.00%	49,205
AMER-PLYMOUTH	37,141	177	100.00%	18.30	5.00%	40,823
AMER-MILWAUK	38,520	188	100.00%	19.02	0.00%	42,909

FIG. 198

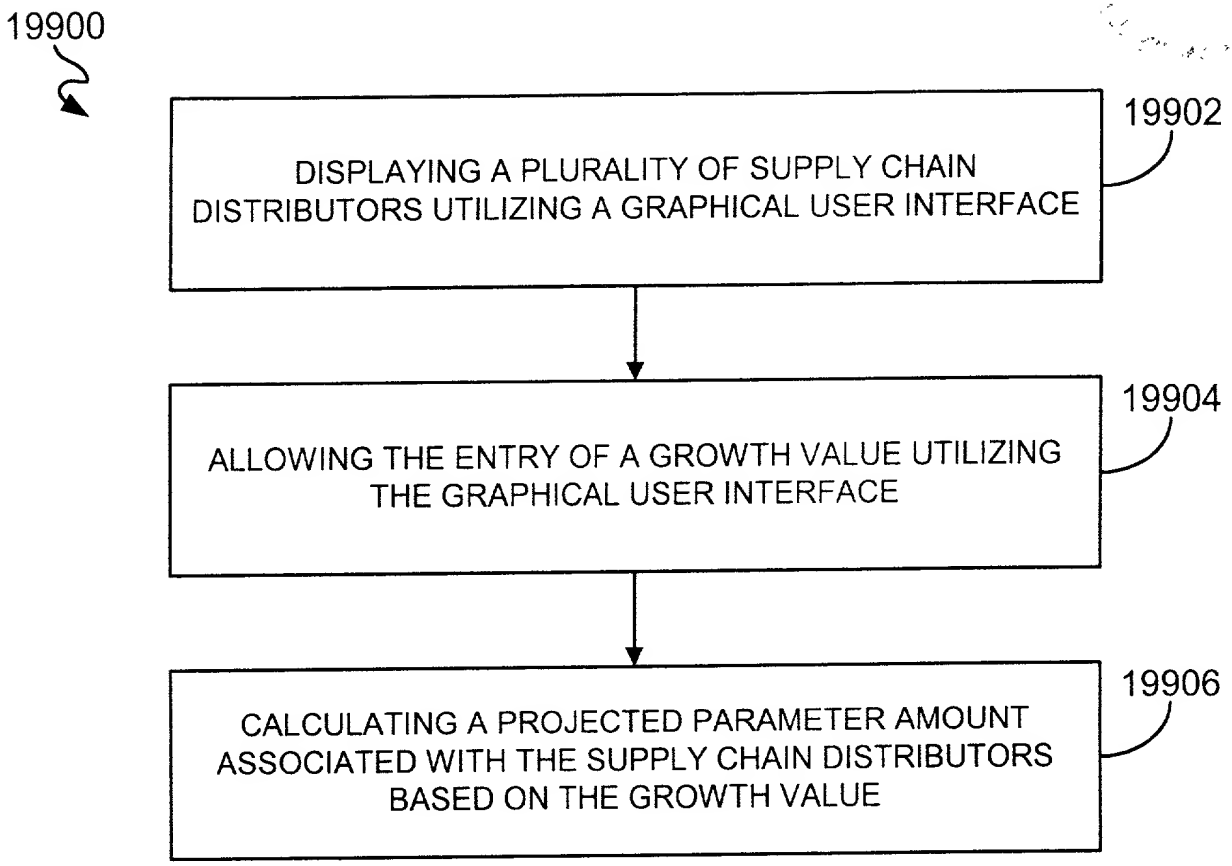
19900
DISPLAYING A PLURALITY OF SUPPLY CHAIN DISTRIBUTORS UTILIZING A GRAPHICAL USER INTERFACE
19902
ALLOWING THE ENTRY OF A GROWTH VALUE UTILIZING THE GRAPHICAL USER INTERFACE
19904
CALCULATING A PROJECTED PARAMETER AMOUNT ASSOCIATED WITH THE SUPPLY CHAIN DISTRIBUTORS BASED ON THE GROWTH VALUE
19906

FIG. 199

20000

Supplier FOB	Address		
CAVENDISH FARMS	Dieppe	NB	E1A6X4
J.R. SIMPLOT COMPANY-HERMISTON, OR	Hermiston	OR	99999
LAMB-WESTON, INC.-AMERICAN FALLS ID	American Falls	ID	83211

Distribution Center	Lane Restriction			Honor TL Rate
AMERISERVE/POST-ALBUQUERQUE	○ Solver	○ Required	◉ Excluded	☐
AMERISERVE/POST-DENVER	○ Solver	○ Required	◉ Excluded	☐
AMERISERVE/POST-SALT LAKE,UT	○ Solver	○ Required	◉ Excluded	☐
AMERISERVE-OMAHA, NE	○ Solver	○ Required	◉ Excluded	☐
AMERISERVE-PLYMOUTH, MN	○ Solver	○ Required	◉ Excluded	☐

20002

FIG. 200

20100

Supplier FOB	Address		
CAVENDISH FARMS	Dieppe	NB	E1A6X4
J.R. SIMPLOT COMPANY-HERMISTON, OR	Hermiston	OR	99999
LAMB-WESTON, INC.-AMERICAN FALLS ID	American Falls	ID	83211

Distribution Center	Lane Restriction		
AMERISERVE\POST-ALBUQUERQUE	○ Solver	◉ Required	○ Excluded
AMERISERVE\POST-DENVER	◉ Solver	○ Required	○ Excluded

FIG. 201

20200

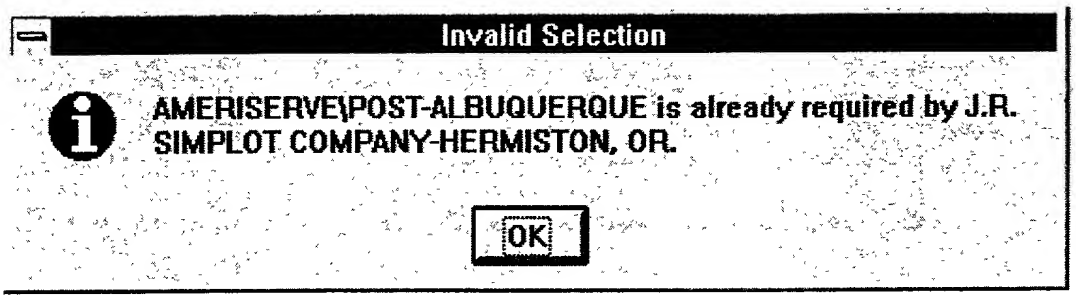

FIG. 202

H:\DOCS\CJ\CJ-255749.DOC

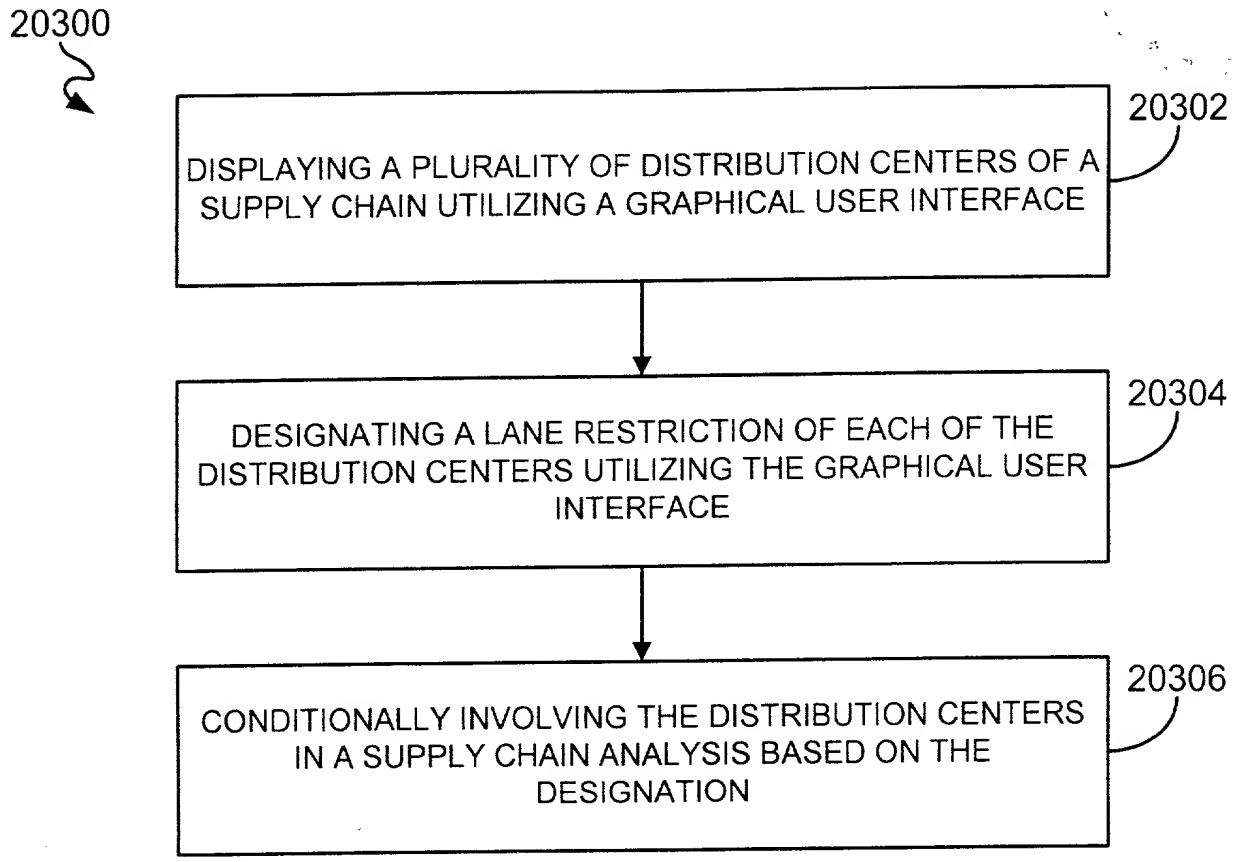
20300
DISPLAYING A PLURALITY OF DISTRIBUTION CENTERS OF A SUPPLY CHAIN UTILIZING A GRAPHICAL USER INTERFACE
20302
DESIGNATING A LANE RESTRICTION OF EACH OF THE DISTRIBUTION CENTERS UTILIZING THE GRAPHICAL USER INTERFACE
20304
CONDITIONALLY INVOLVING THE DISTRIBUTION CENTERS IN A SUPPLY CHAIN ANALYSIS BASED ON THE DESIGNATION
20306

FIG. 203

20400

Supplier FOB	Address		
CAVENDISH FARMS	Dieppe	NB	E1A6X4
J.R. SIMPLOT COMPANY-HERMISTON, OR	Hermiston	OR	99999
LAMB-WESTON, INC.-AMERICAN FALLS ID	American Falls	ID	83211

Distribution Center	Truckload Freight	Lane Distance
AMERISERVE\POST-ALBUQUERQUE	1,617	
AMERISERVE\POST-DENVER	1,277	
AMERISERVE\POST-SALT LAKE,UT	691	

FIG. 204

20500

Supplier FOB	Address		
O.K. FOODS-FORT SMITH AR	Fort Smith	AR	72904
TYSON FOODS-GREEN FORREST, AR	Green Forest	AR	72638
TYSON FOODS-RUSSELVILLE AR	Russelville	AR	72801

Distribution Center	Weight	LTL Minimum	0 to 1,000 LBS	1,001 to 5,000 LBS	5,001 to 10,000 LBS	10,001 to 20,000 LBS	20,000 LBS +
PS-ATLANTA	15,000					1.10	
PS-BURLINGTON	15,000	400.00				1.20	

FIG. 205

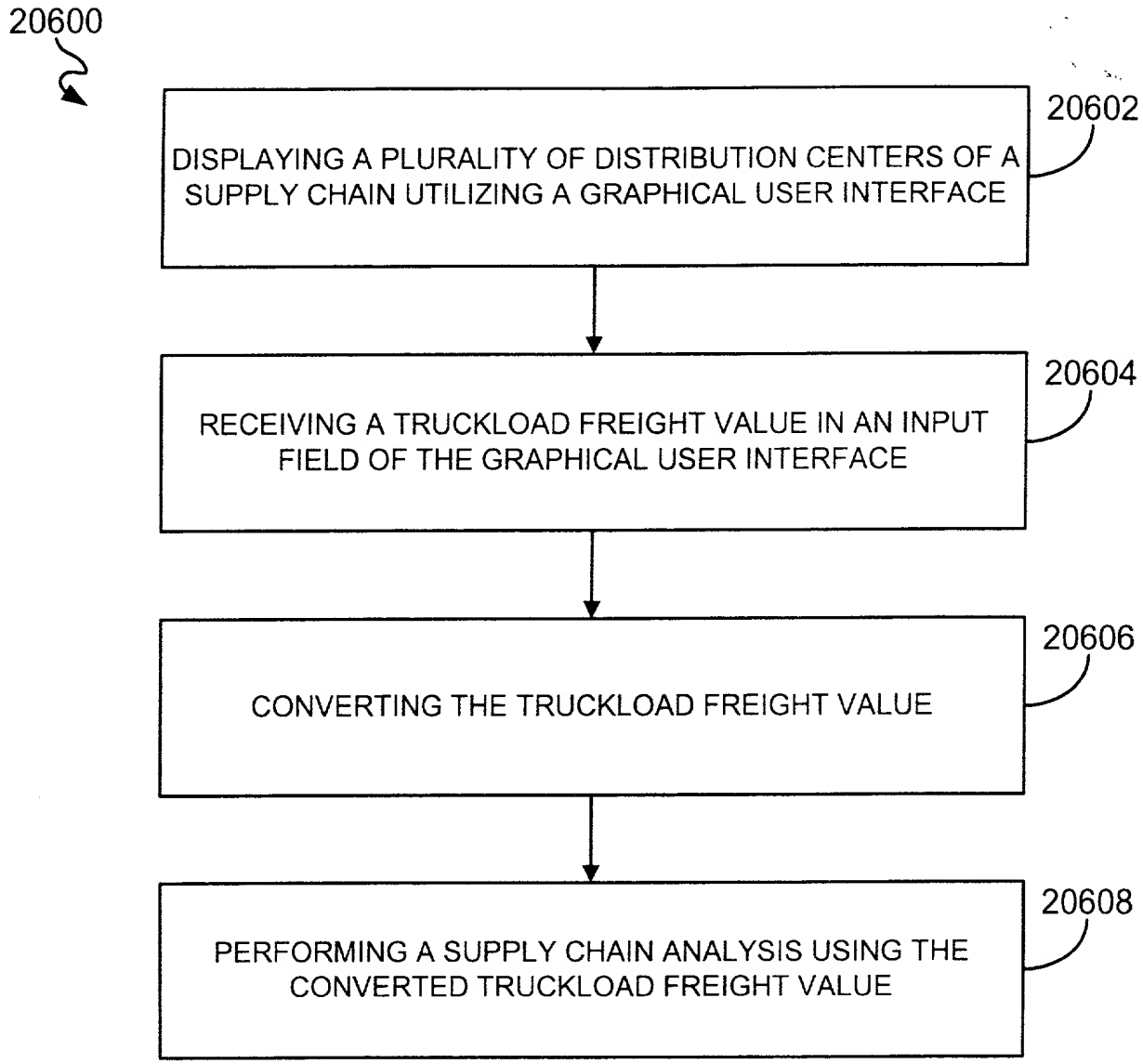
20600
DISPLAYING A PLURALITY OF DISTRIBUTION CENTERS OF A SUPPLY CHAIN UTILIZING A GRAPHICAL USER INTERFACE
20602
RECEIVING A TRUCKLOAD FREIGHT VALUE IN AN INPUT FIELD OF THE GRAPHICAL USER INTERFACE
20604
CONVERTING THE TRUCKLOAD FREIGHT VALUE
20606
PERFORMING A SUPPLY CHAIN ANALYSIS USING THE CONVERTED TRUCKLOAD FREIGHT VALUE
20608

FIG. 206

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20700

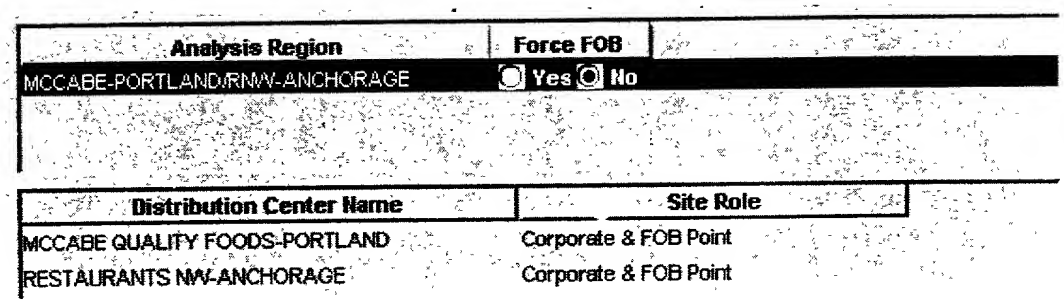


FIG. 207

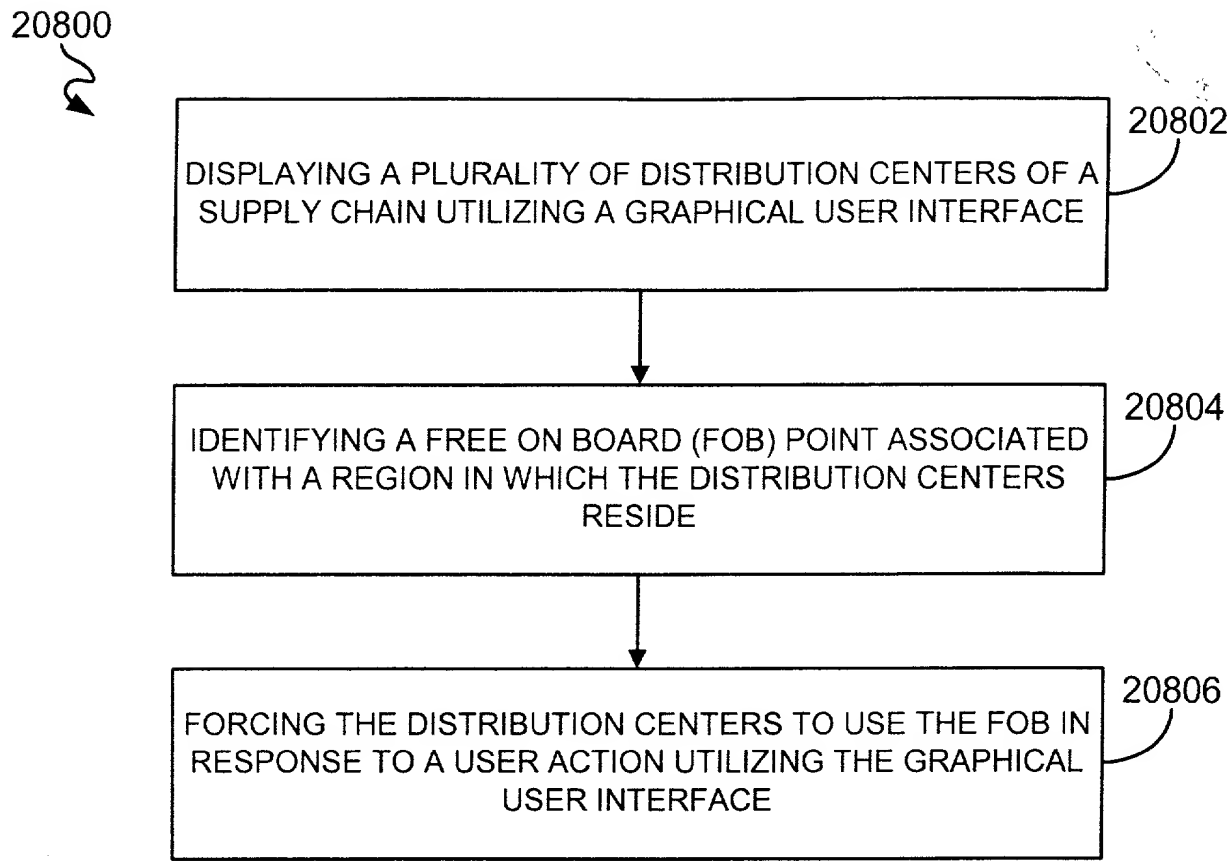

20800
DISPLAYING A PLURALITY OF DISTRIBUTION CENTERS OF A SUPPLY CHAIN UTILIZING A GRAPHICAL USER INTERFACE
20802
IDENTIFYING A FREE ON BOARD (FOB) POINT ASSOCIATED WITH A REGION IN WHICH THE DISTRIBUTION CENTERS RESIDE
20804
FORCING THE DISTRIBUTION CENTERS TO USE THE FOB IN RESPONSE TO A USER ACTION UTILIZING THE GRAPHICAL USER INTERFACE
20806

FIG. 208

Patent Application Publication Dec. 30, 2004 Sheet 209 of 304 US 2004/0267638 A1

20900

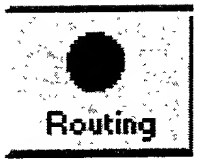


FIG. 209

21000

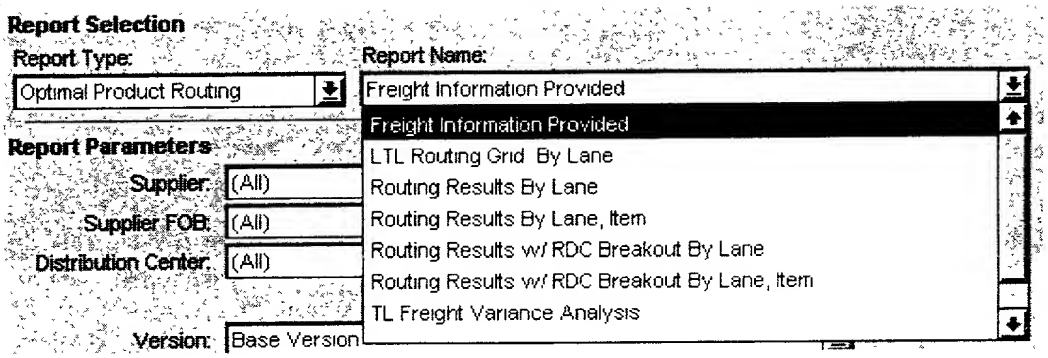


FIG. 210

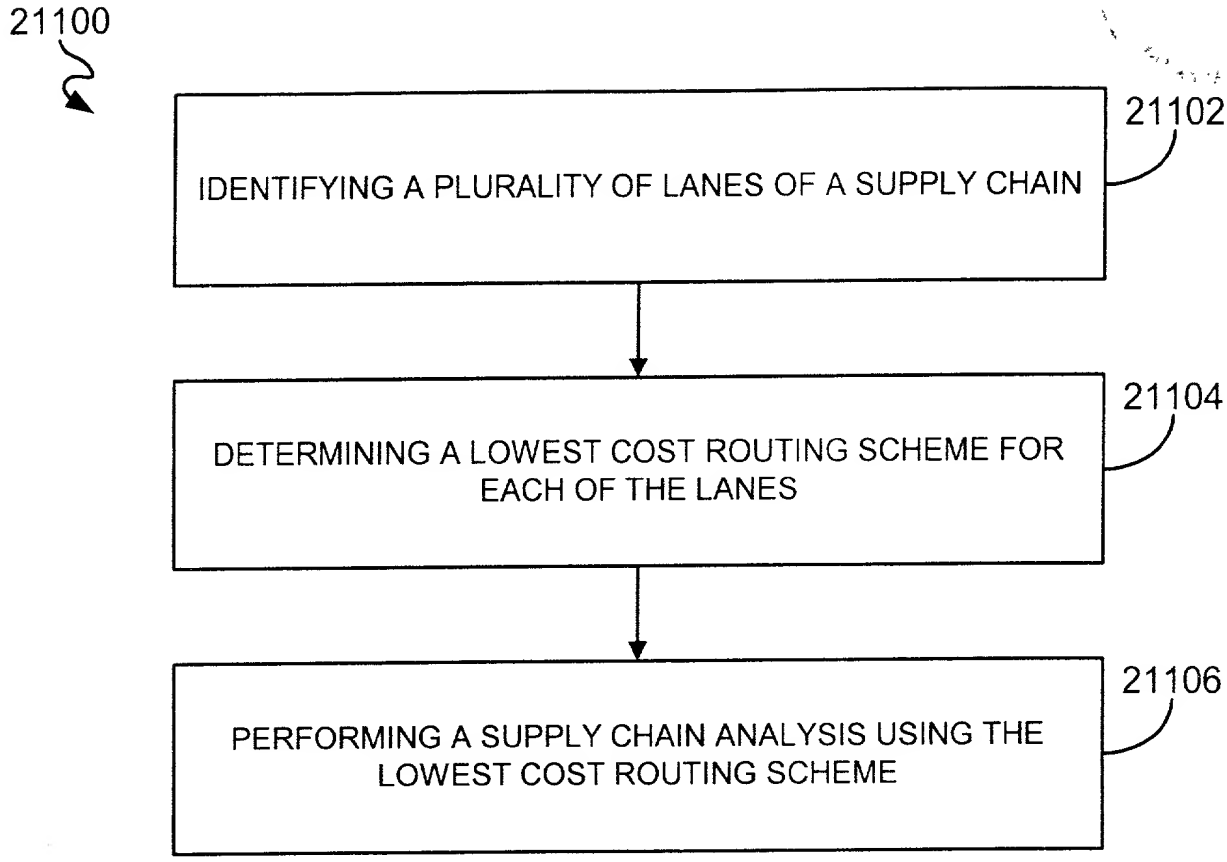

21100
IDENTIFYING A PLURALITY OF LANES OF A SUPPLY CHAIN
21102
DETERMINING A LOWEST COST ROUTING SCHEME FOR EACH OF THE LANES
21104
PERFORMING A SUPPLY CHAIN ANALYSIS USING THE LOWEST COST ROUTING SCHEME
21106

FIG. 211

Exhibit 2 - 3,565,963

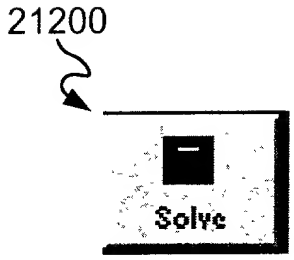


FIG. 212

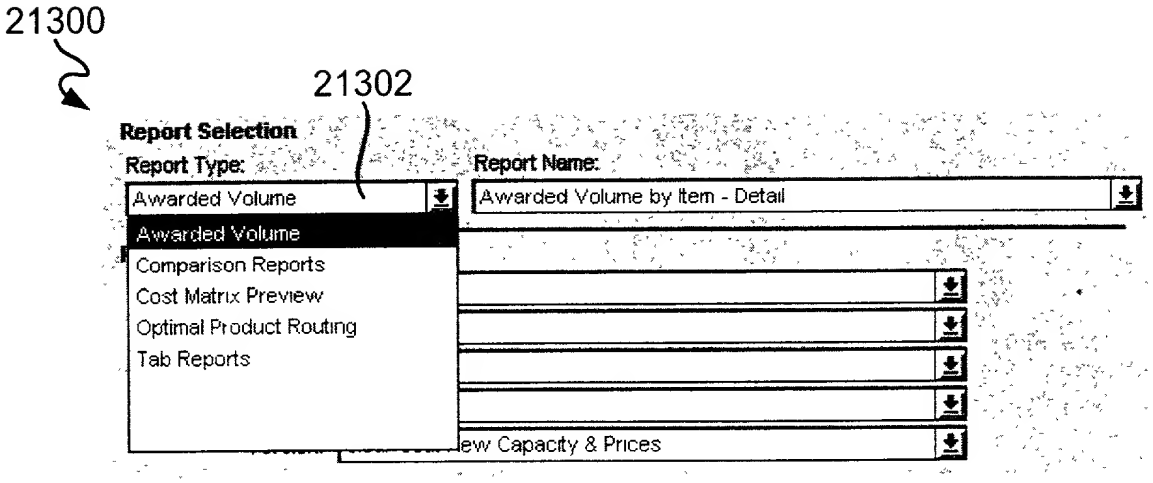


FIG. 213

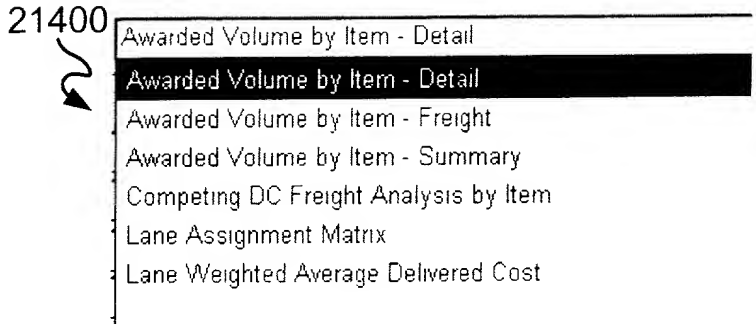


FIG. 214

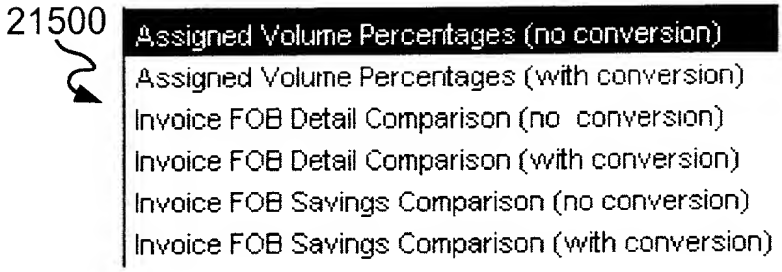


FIG. 215

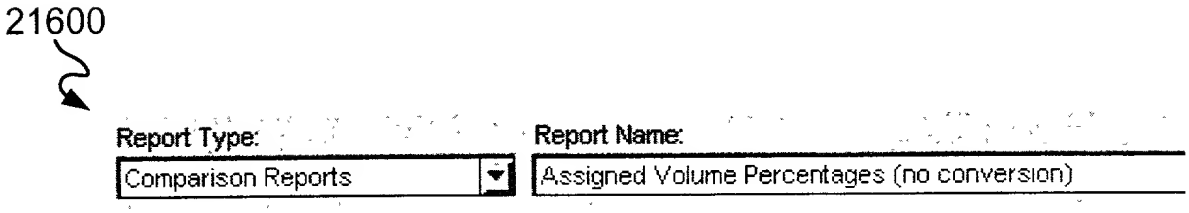


FIG. 216

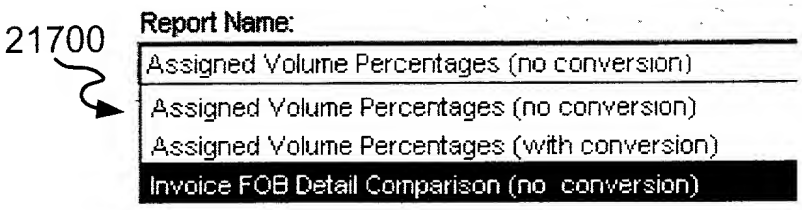


FIG. 217

US 2005/0251450 A1

21800

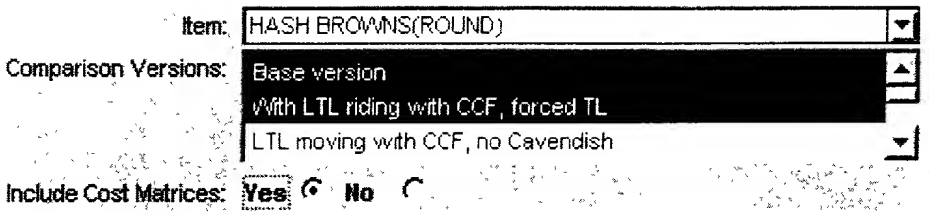


FIG. 218

21900

FIG. 219

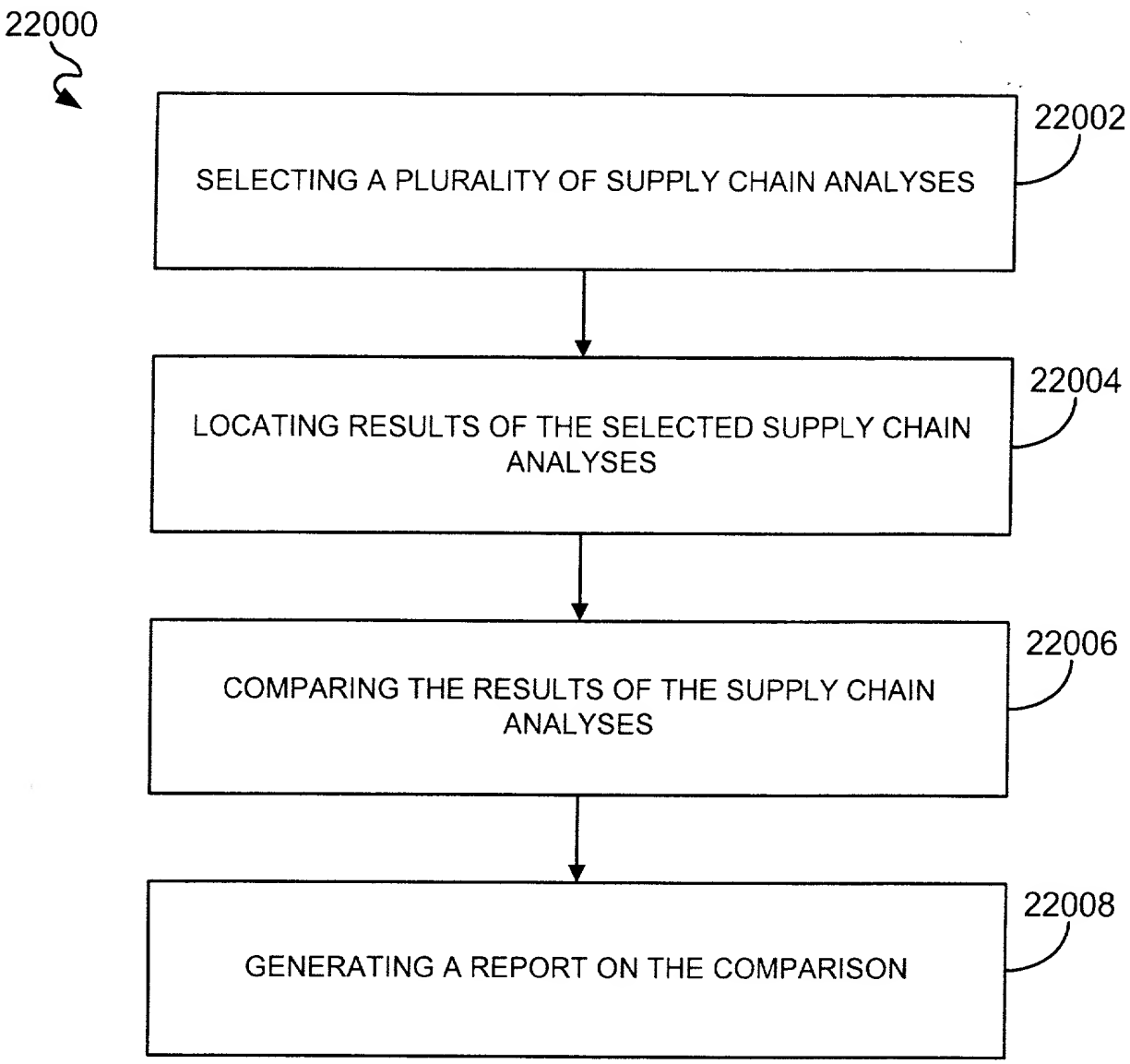

22000
SELECTING A PLURALITY OF SUPPLY CHAIN ANALYSES
22002
LOCATING RESULTS OF THE SELECTED SUPPLY CHAIN ANALYSES
22004
COMPARING THE RESULTS OF THE SUPPLY CHAIN ANALYSES
22006
GENERATING A REPORT ON THE COMPARISON
22008

FIG. 220

Express Mail No. EV 339 955 765 US

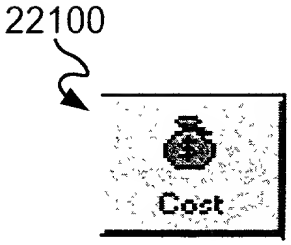


FIG. 221

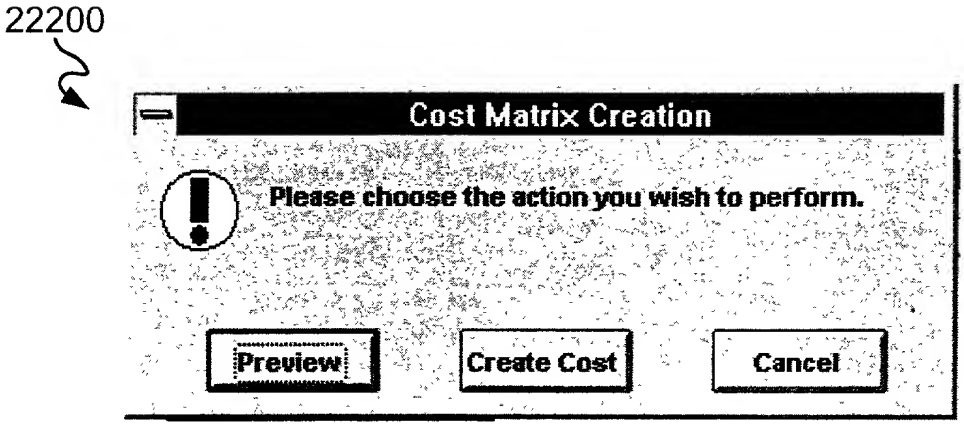


FIG. 222

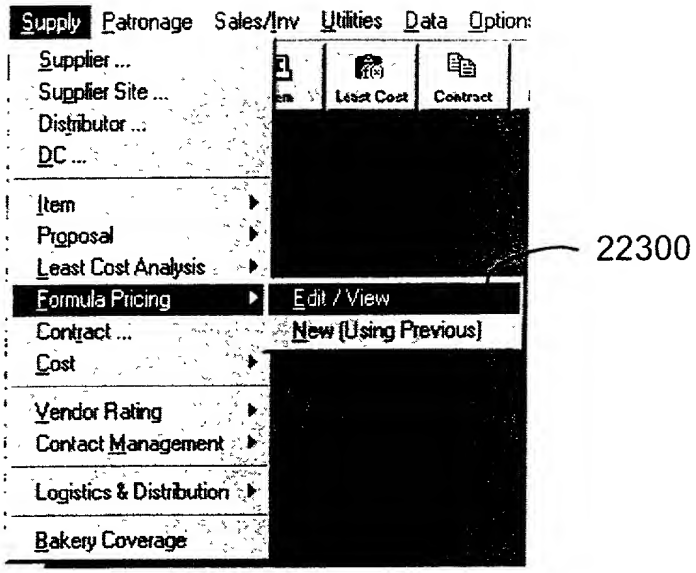


FIG. 223

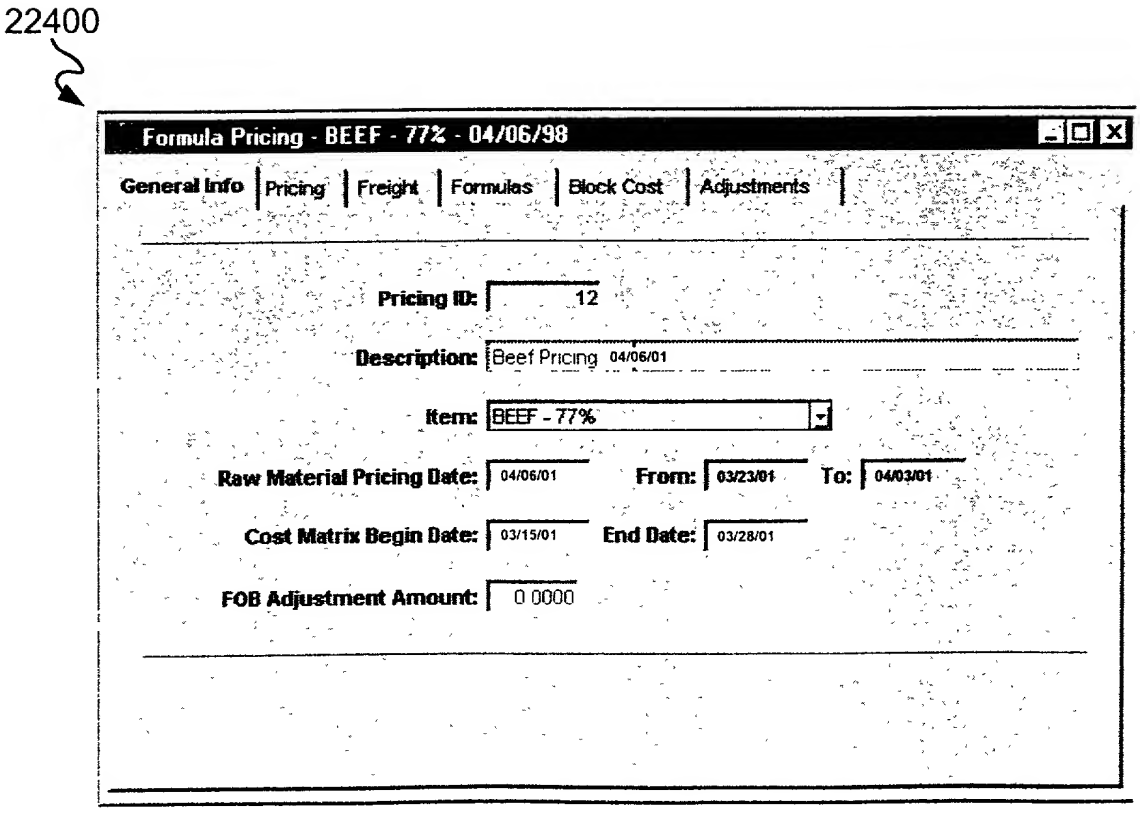
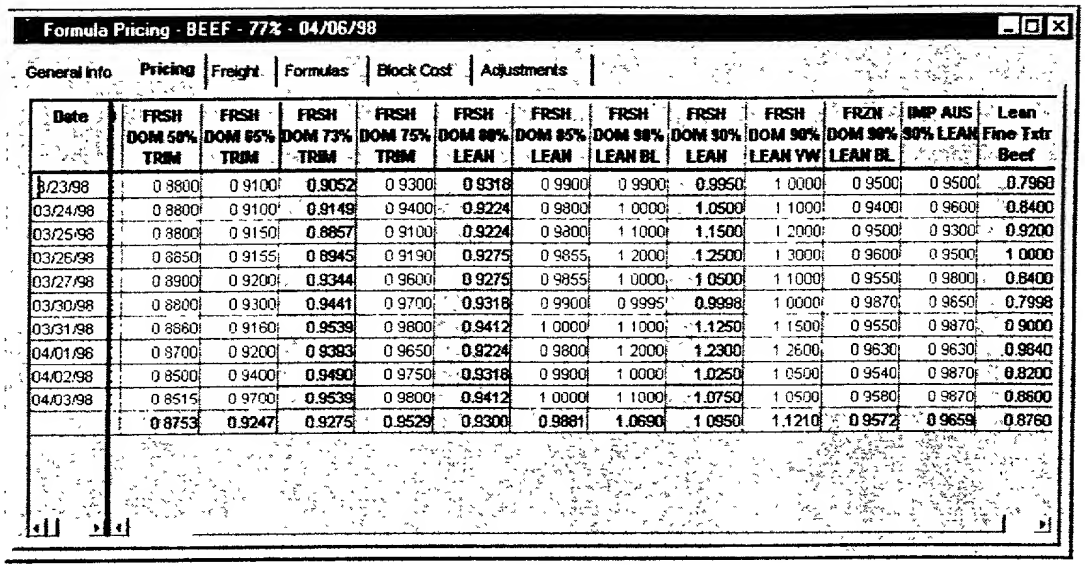


FIG. 224

22500



Date	FRSH DOM 50% TRIM	FRSH DOM 65% TRIM	FRSH DOM 73% TRIM	FRSH DOM 75% TRIM	FRSH DOM 80% LEAN	FRSH DOM 85% LEAN	FRSH DOM 90% LEAN BL	FRSH DOM 90% LEAN	FRSH DOM 90% LEAN YW	FRZN DOM 90% LEAN BL	IMP AUS 90% LEAN	Lean Fine Txtr Beef
3/23/98	0 8800	0 9100	0.9052	0 9300	0.9318	0 9900	0 9900	0.9950	1 0000	0 9500	0 9500	0.7960
03/24/98	0 8800	0 9100	0.9149	0 9400	0.9224	0 9800	1 0000	1.0500	1 1000	0 9400	0 9600	0.8400
03/25/98	0 8800	0 9150	0.8857	0 9100	0.9224	0 9800	1 1000	1.1500	1 2000	0 9500	0 9300	0.9200
03/26/98	0 8850	0 9155	0 8945	0 9190	0.9275	0 9855	1 2000	1.2500	1 3000	0 9600	0 9500	1 0000
03/27/98	0 8900	0 9200	0.9344	0 9600	0 9275	0 9855	1 0000	1 0500	1 1000	0 9550	0 9800	0.8400
03/30/98	0 8800	0 9300	0.9441	0 9700	0.9318	0 9900	0 9995	0.9998	1 0000	0 9870	0 9650	0.7998
03/31/98	0 8860	0 9160	0.9539	0 9800	0.9412	1 0000	1 1000	1.1250	1 1500	0 9550	0 9870	0 9000
04/01/98	0 8700	0 9200	0 9383	0 9650	0.9224	0 9800	1 2000	1.2300	1 2600	0 9630	0 9630	0.9840
04/02/98	0 8500	0 9400	0.9490	0 9750	0.9318	0 9900	1 0000	1.0250	1 0500	0 9540	0 9870	0.8200
04/03/98	0 8515	0 9700	0.9539	0 9800	0.9412	1 0000	1 1000	1.0750	1 0500	0 9580	0 9870	0.8600
	0 8753	0.9247	0.9275	0.9529	0.9300	0.9881	1.0690	1 0950	1.1210	0.9572	0.9659	0.8760

FIG. 225

22600

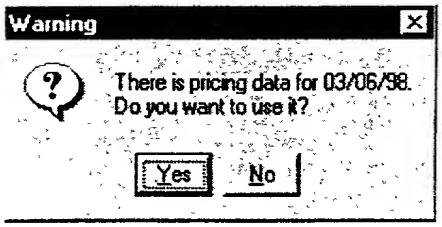


FIG. 226

22700

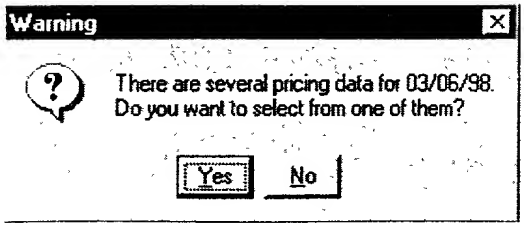


FIG. 227

22800

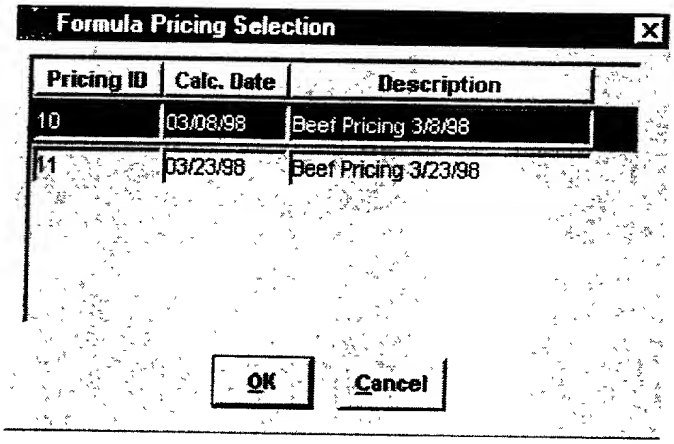


FIG. 228

22900

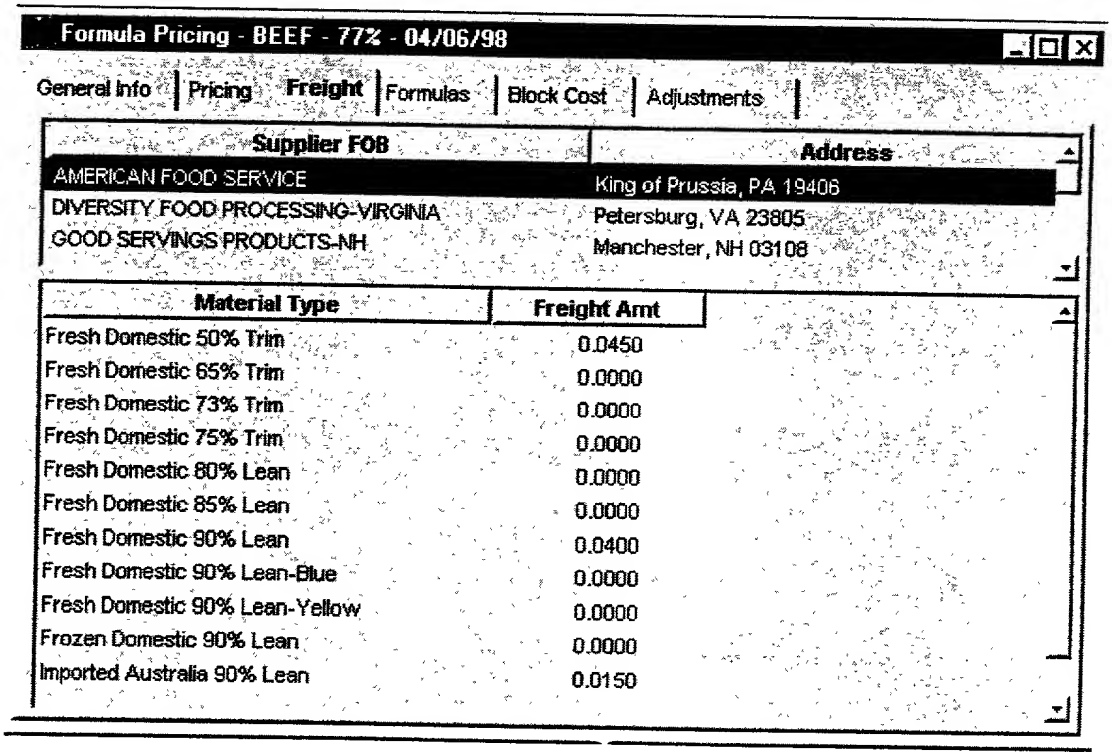


FIG. 229

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23000

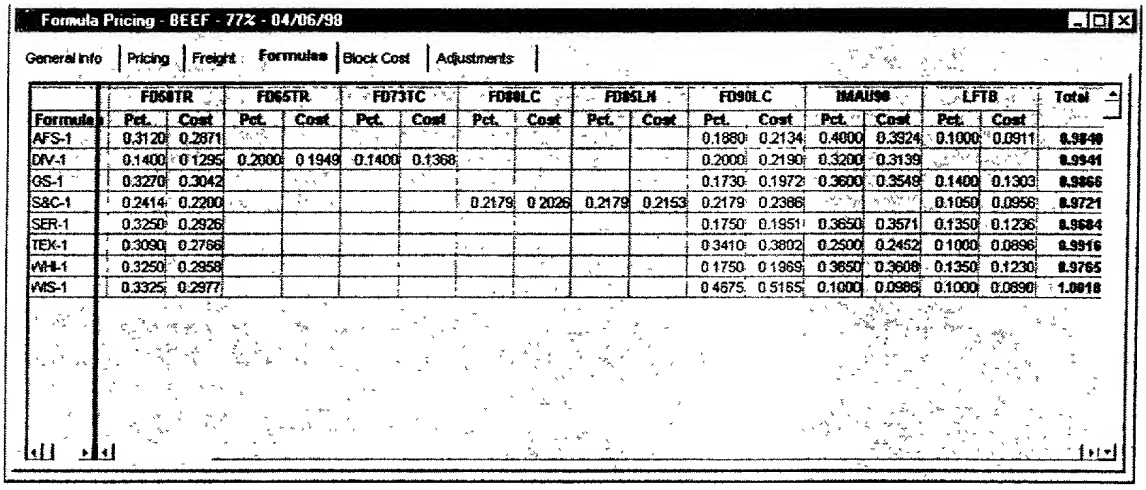

FIG. 230

23100

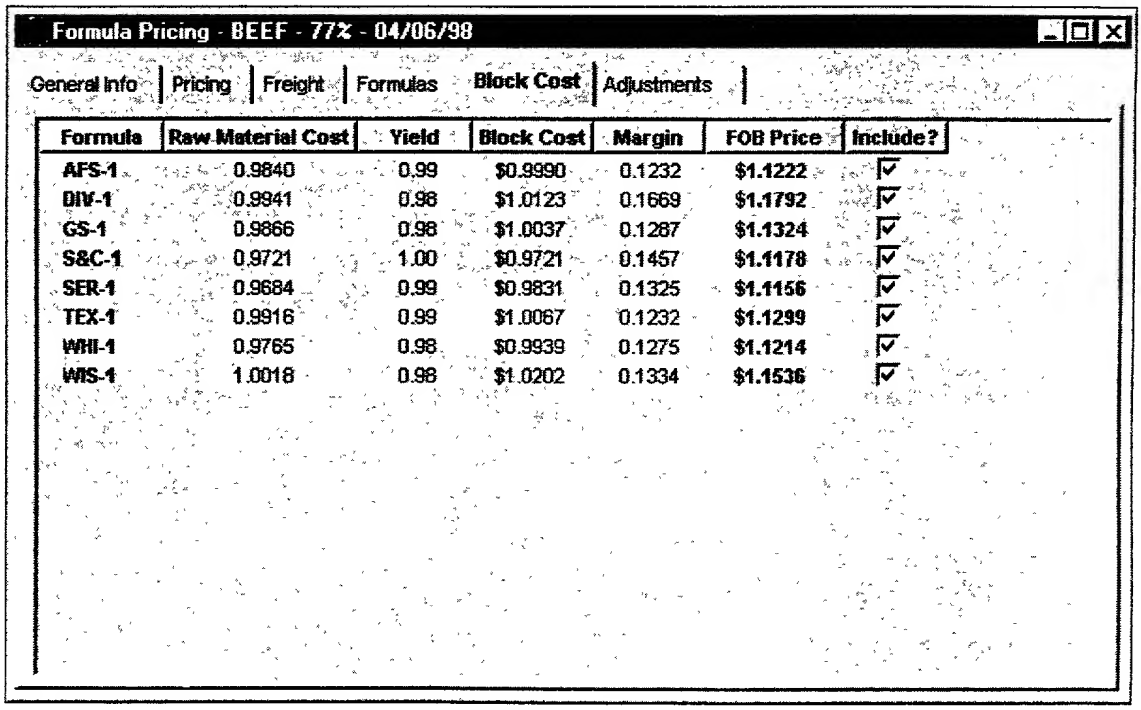

FIG. 231

23200

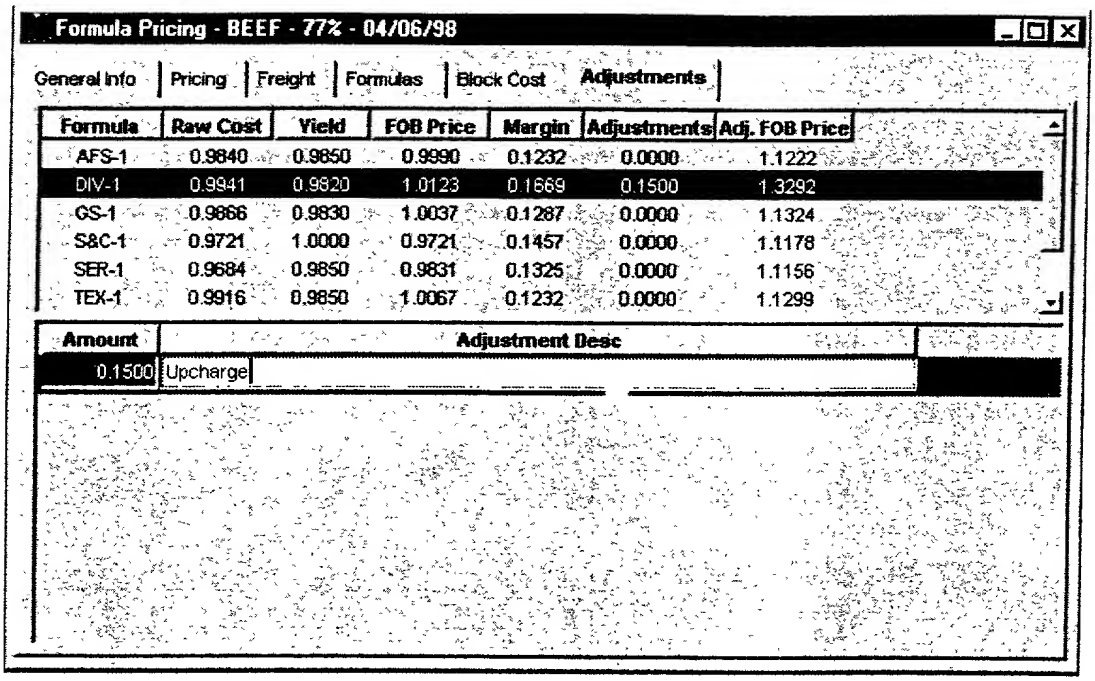

FIG. 232

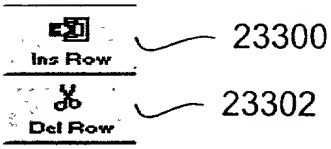

FIG. 233

23400

FIG. 234

23500

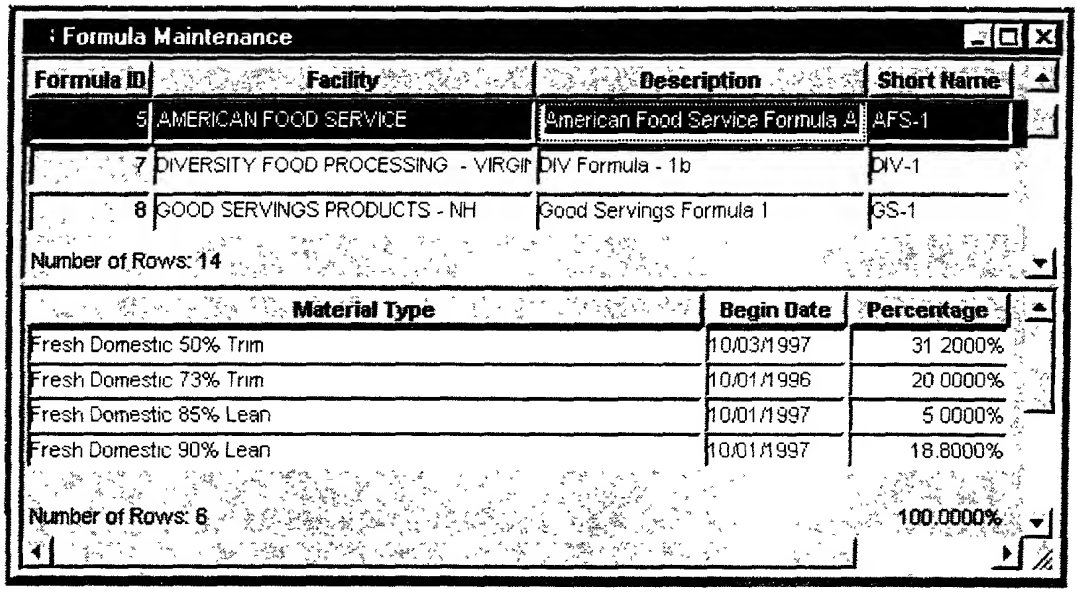

FIG. 235

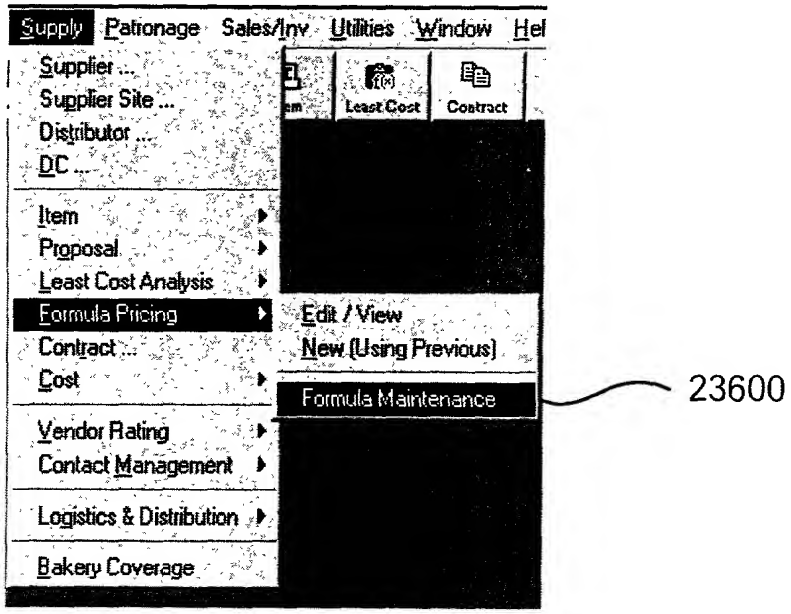

FIG. 236